

FIG. 1

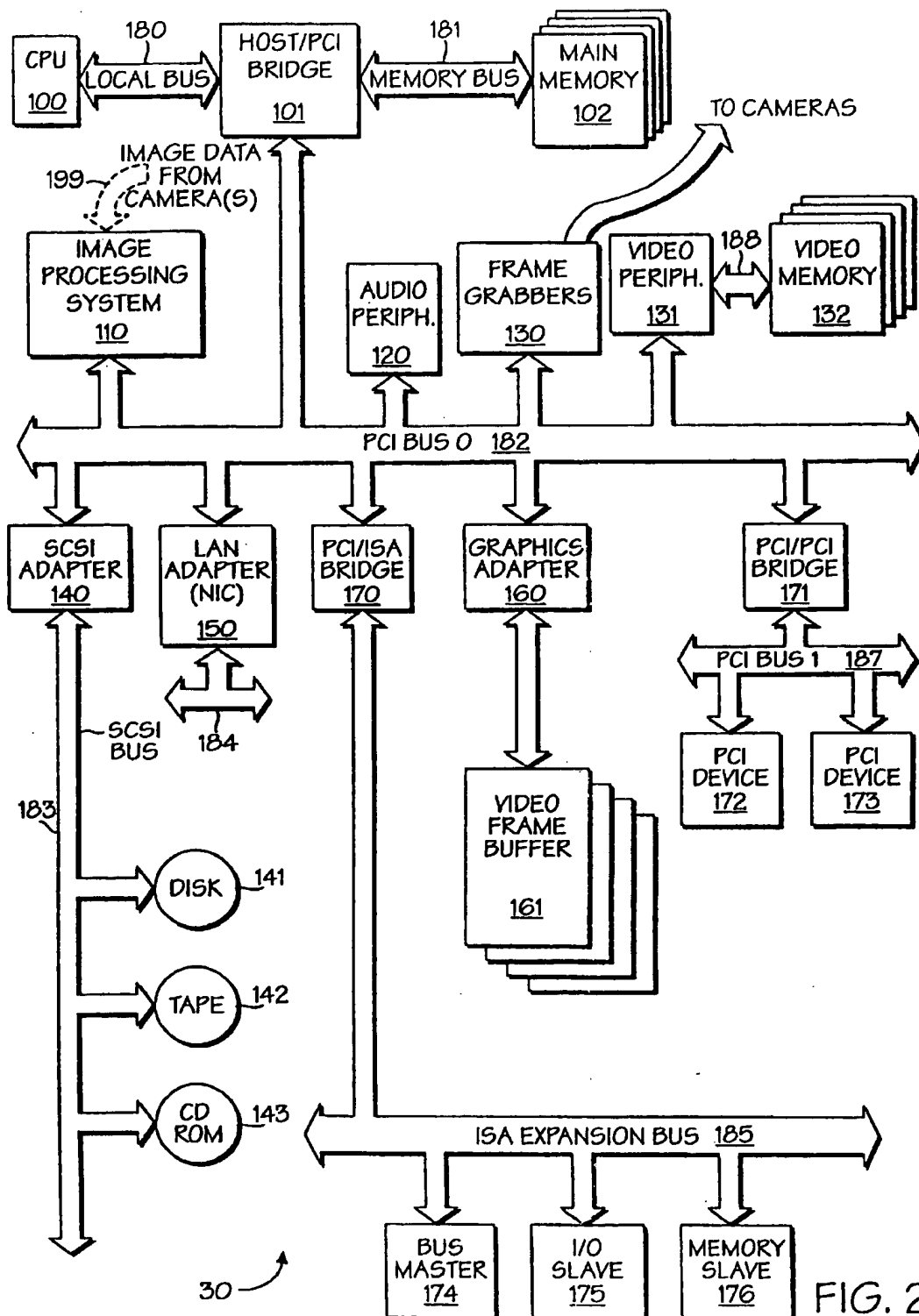


FIG. 2

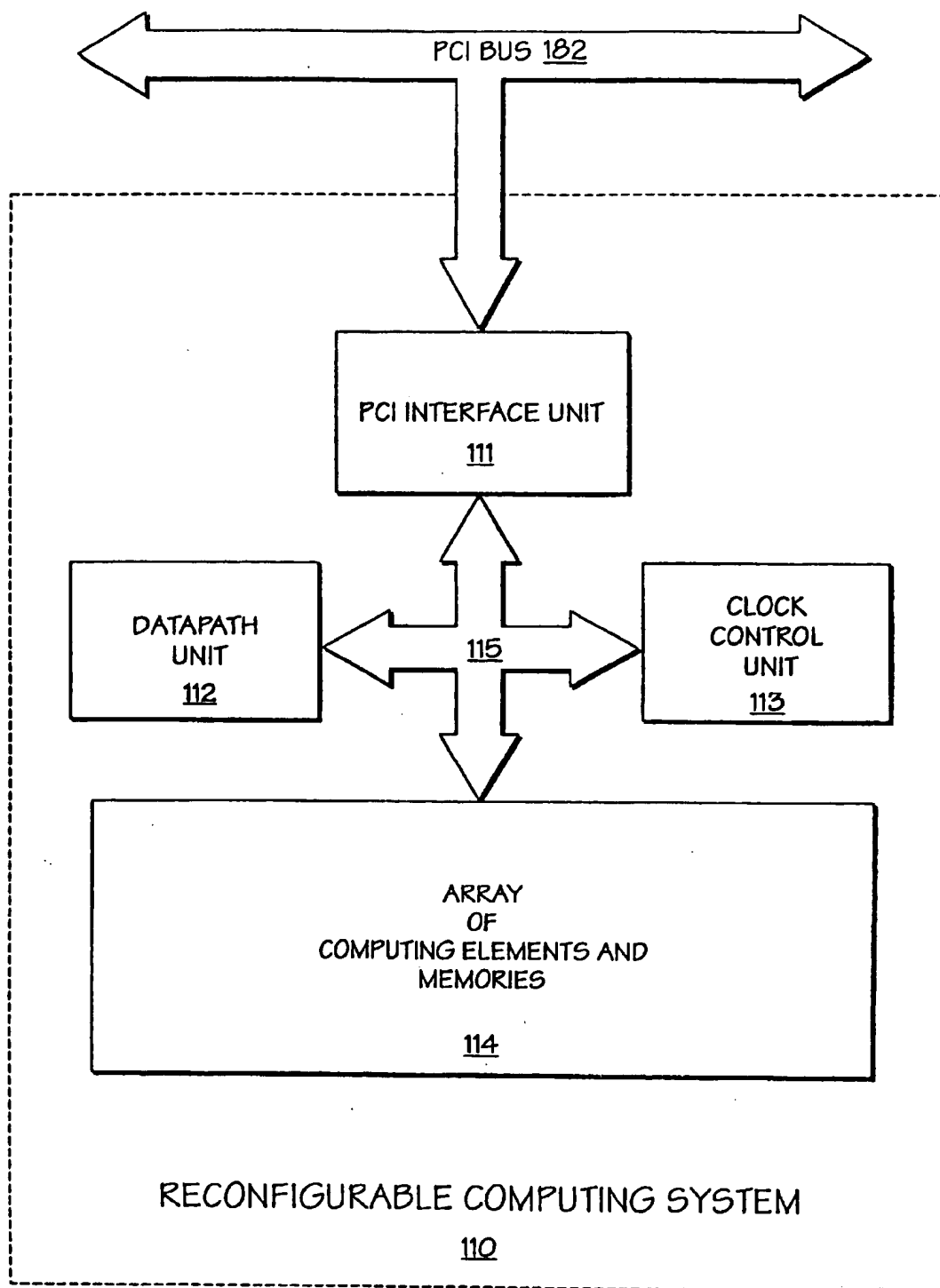


FIG. 3

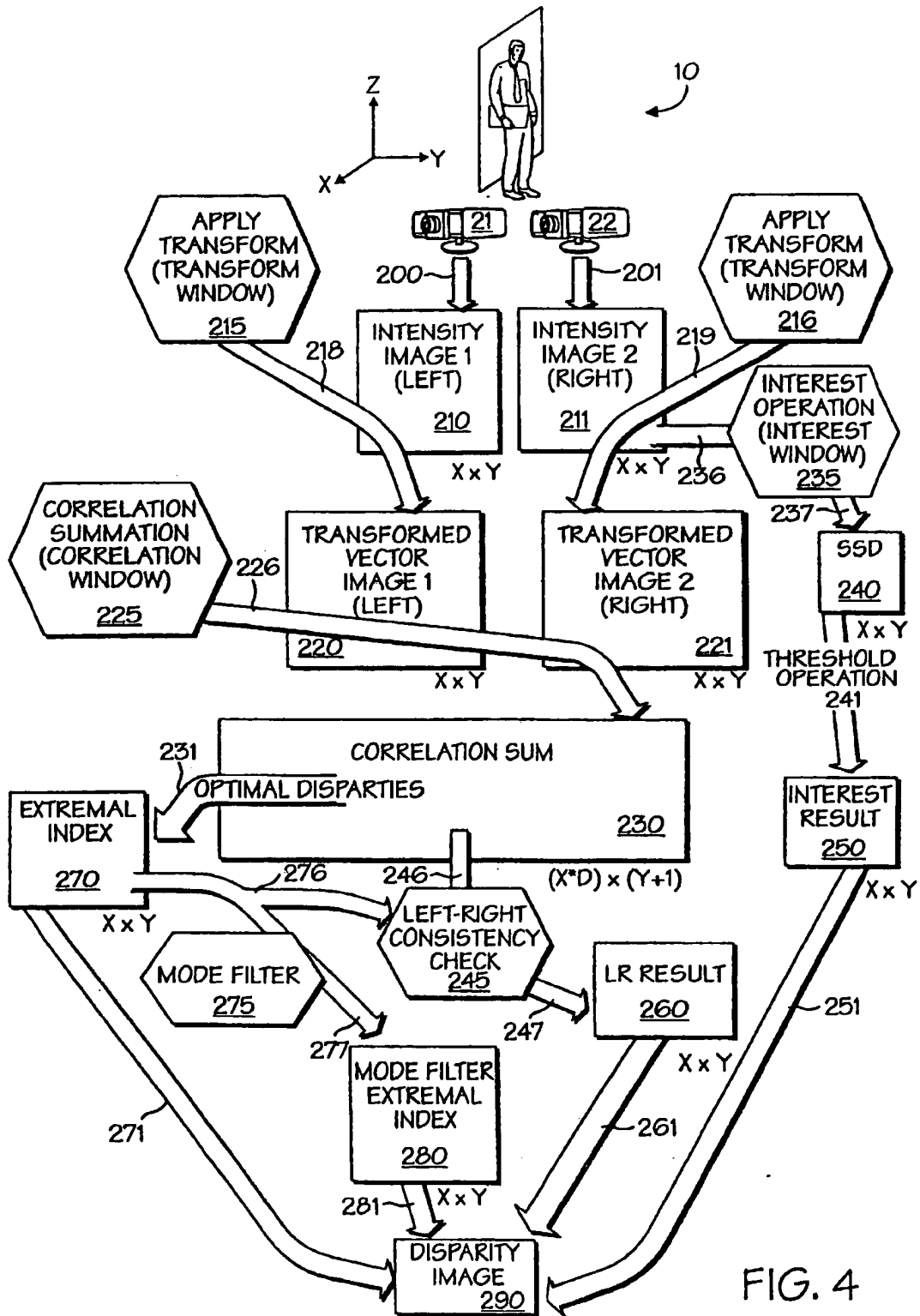


FIG. 4

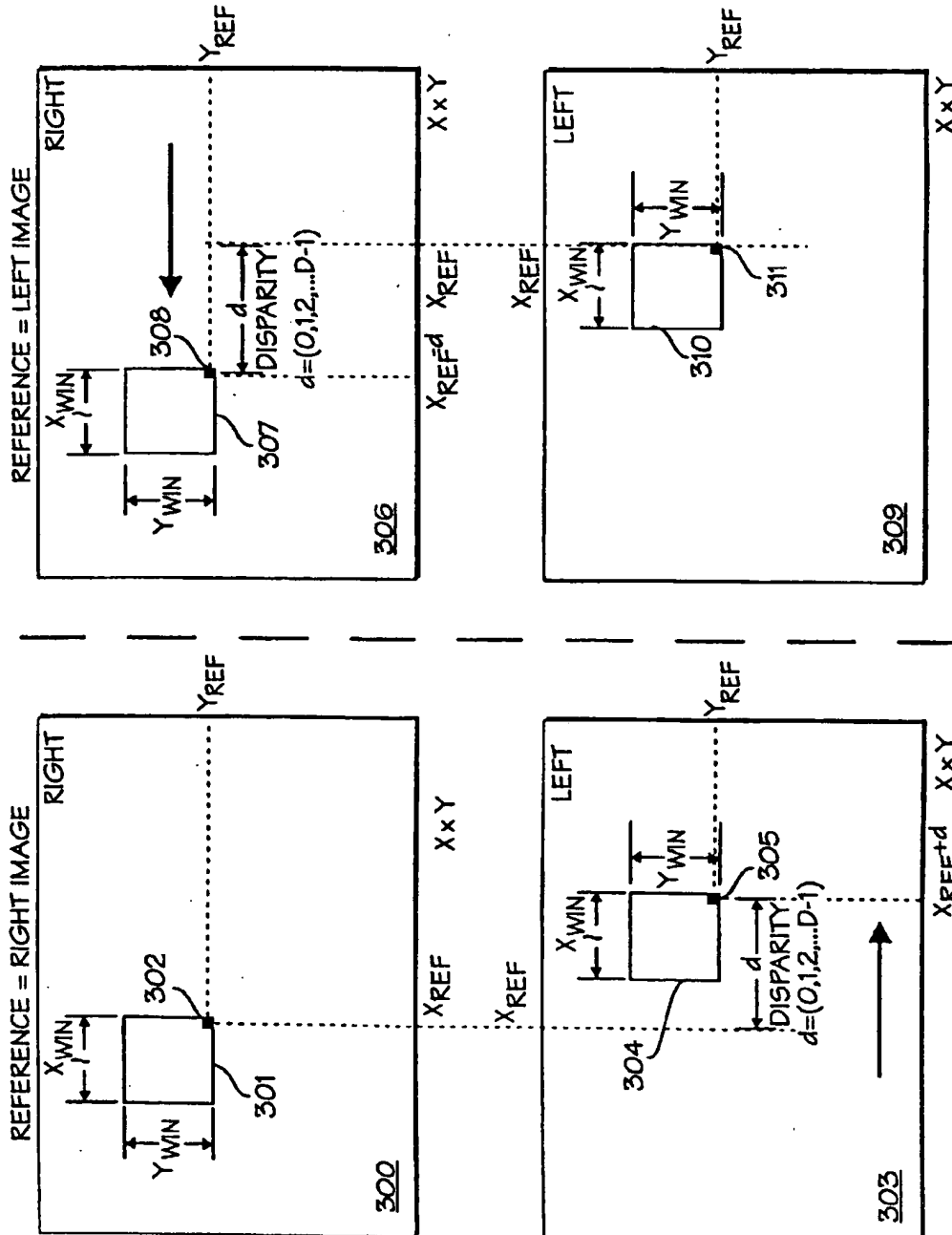
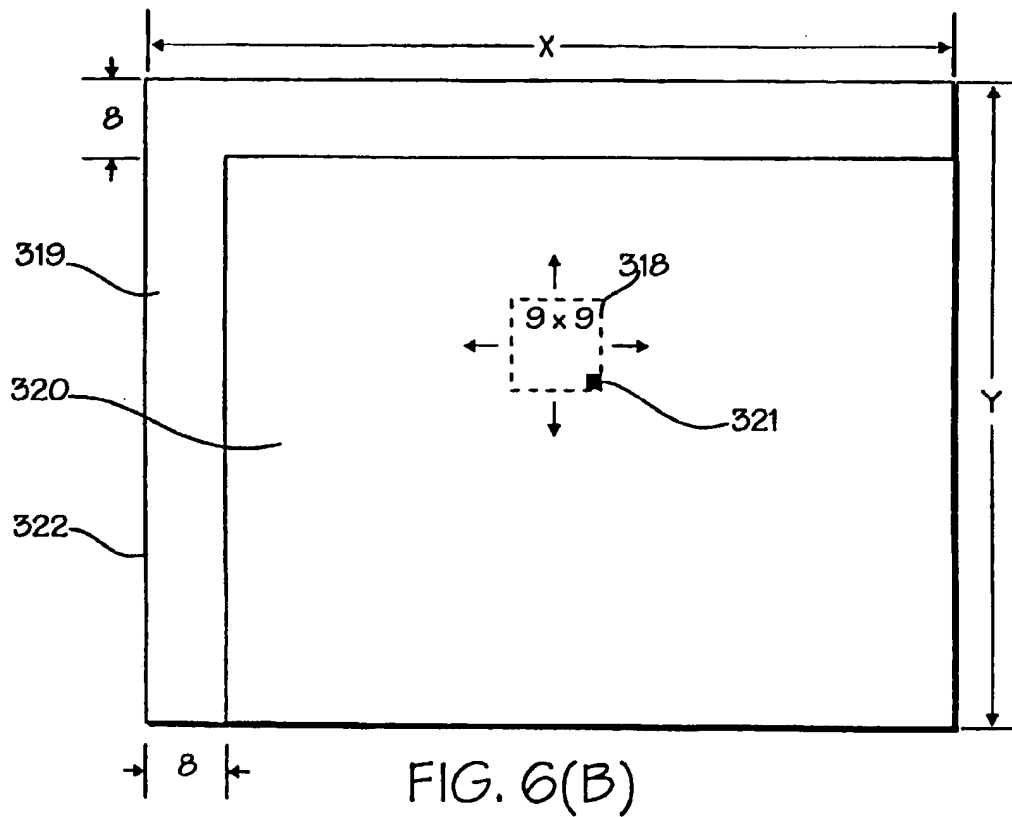
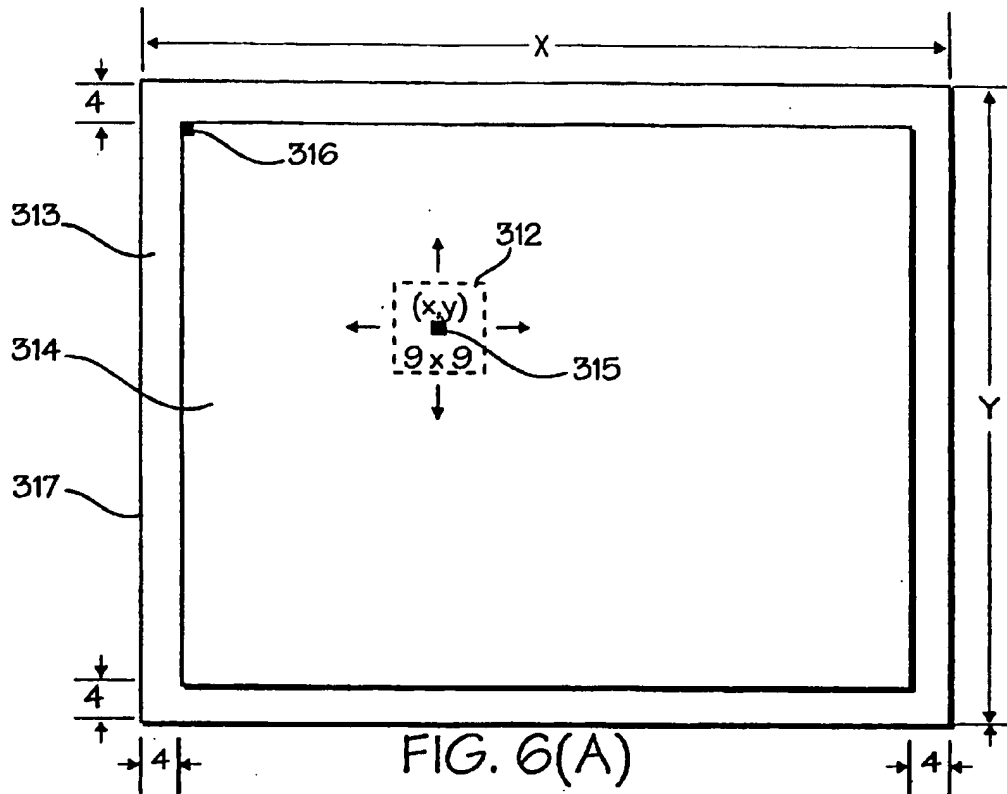


FIG. 5(B)

FIG. 5(A)



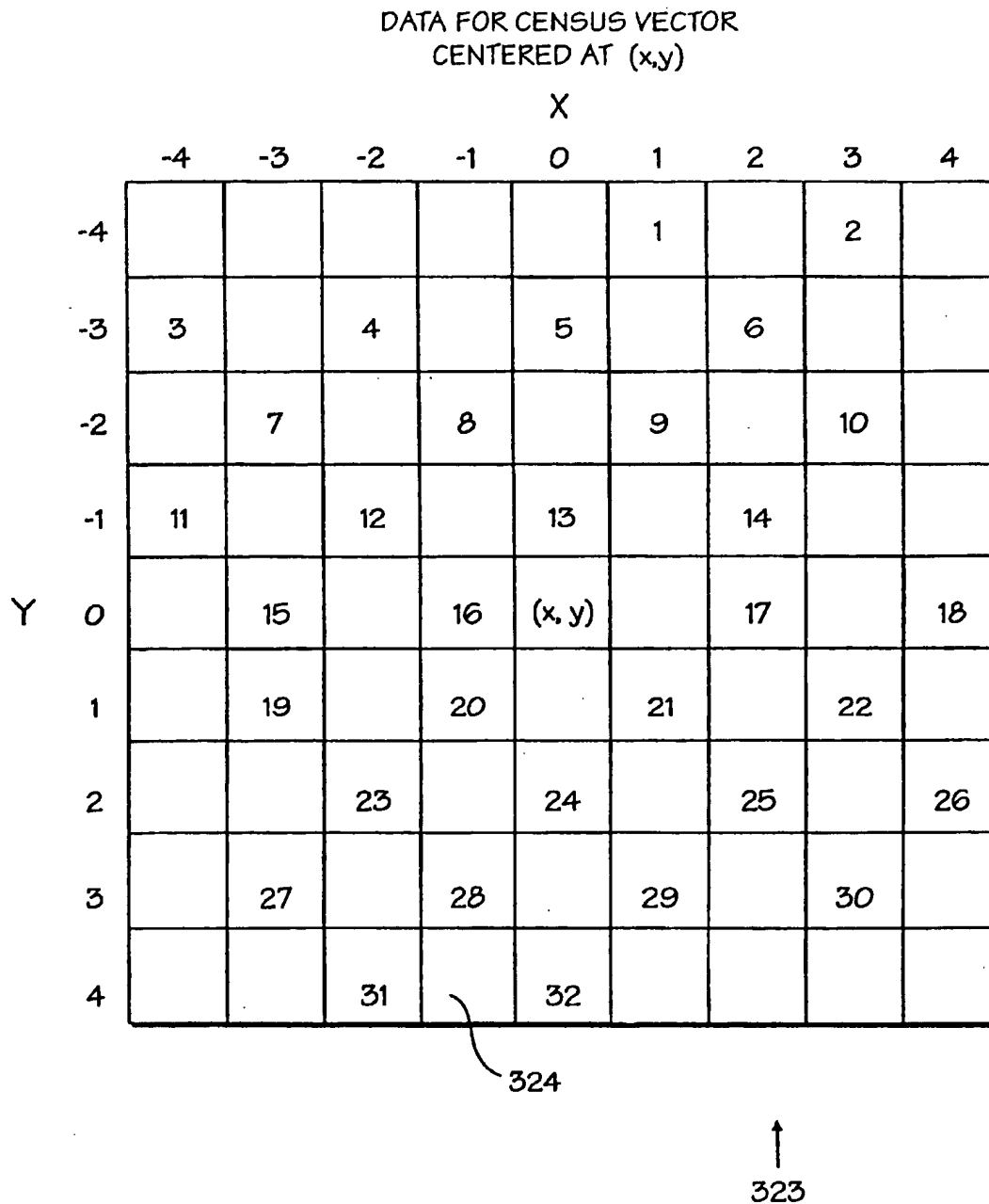


Fig. 7

Fig. 8(A)

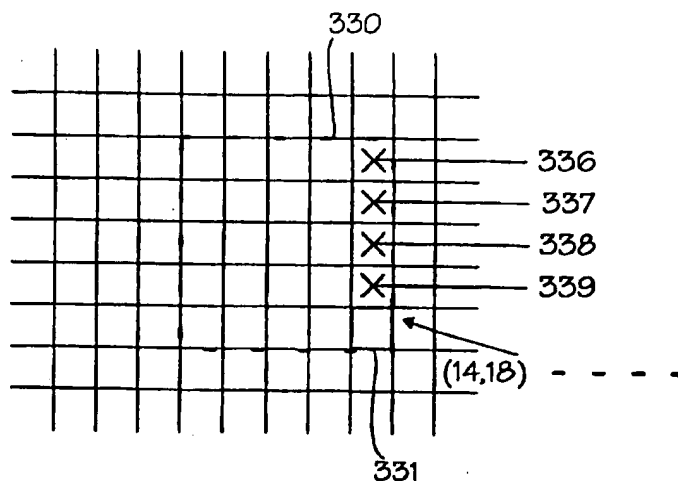


Fig. 8(B)

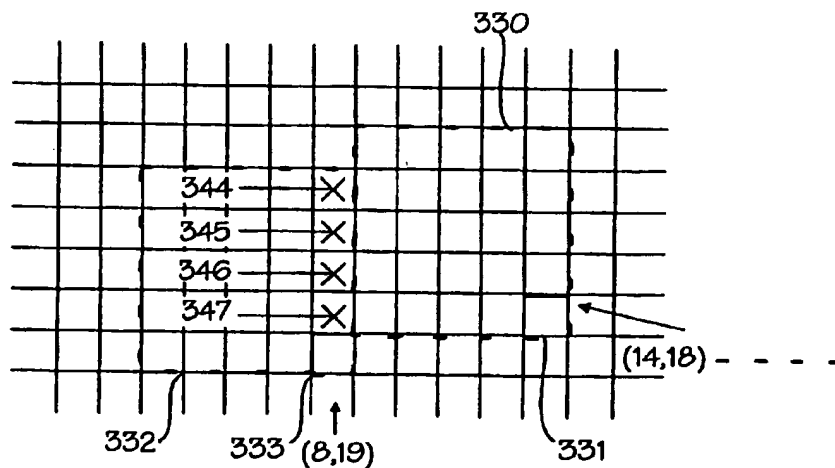


Fig. 8(C)

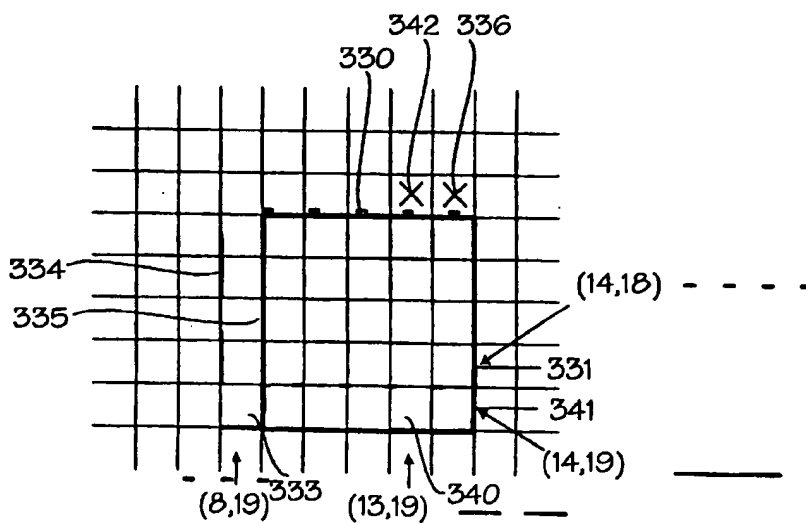


Fig. 9(A)

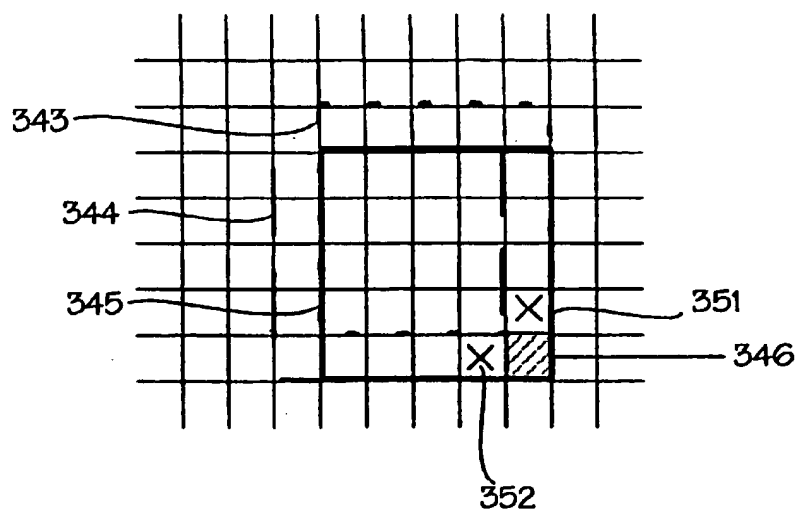


Fig. 9(B)

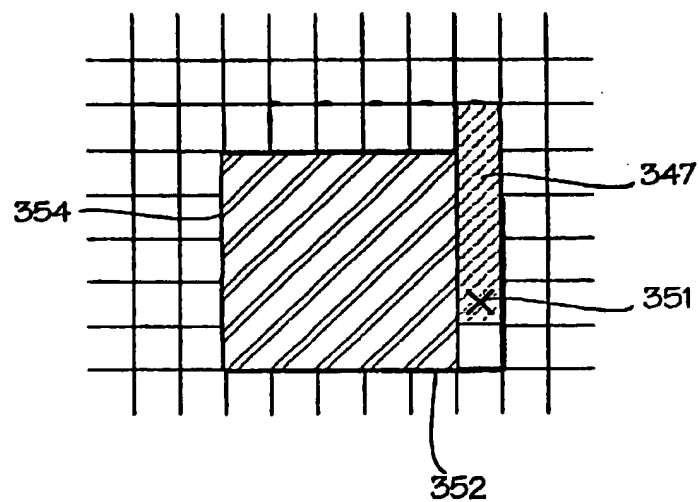
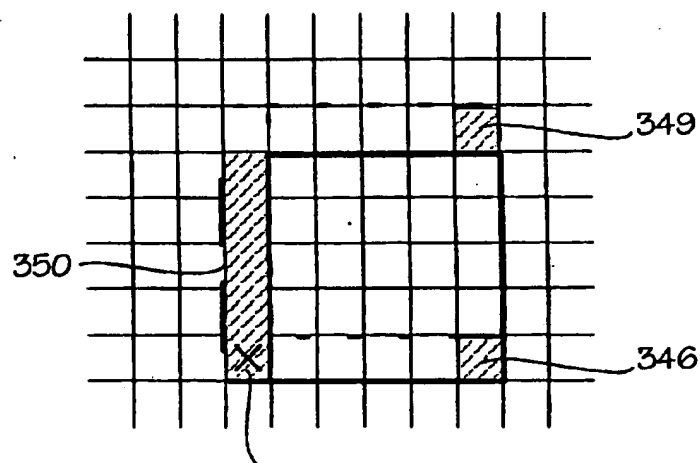


Fig. 9(C)



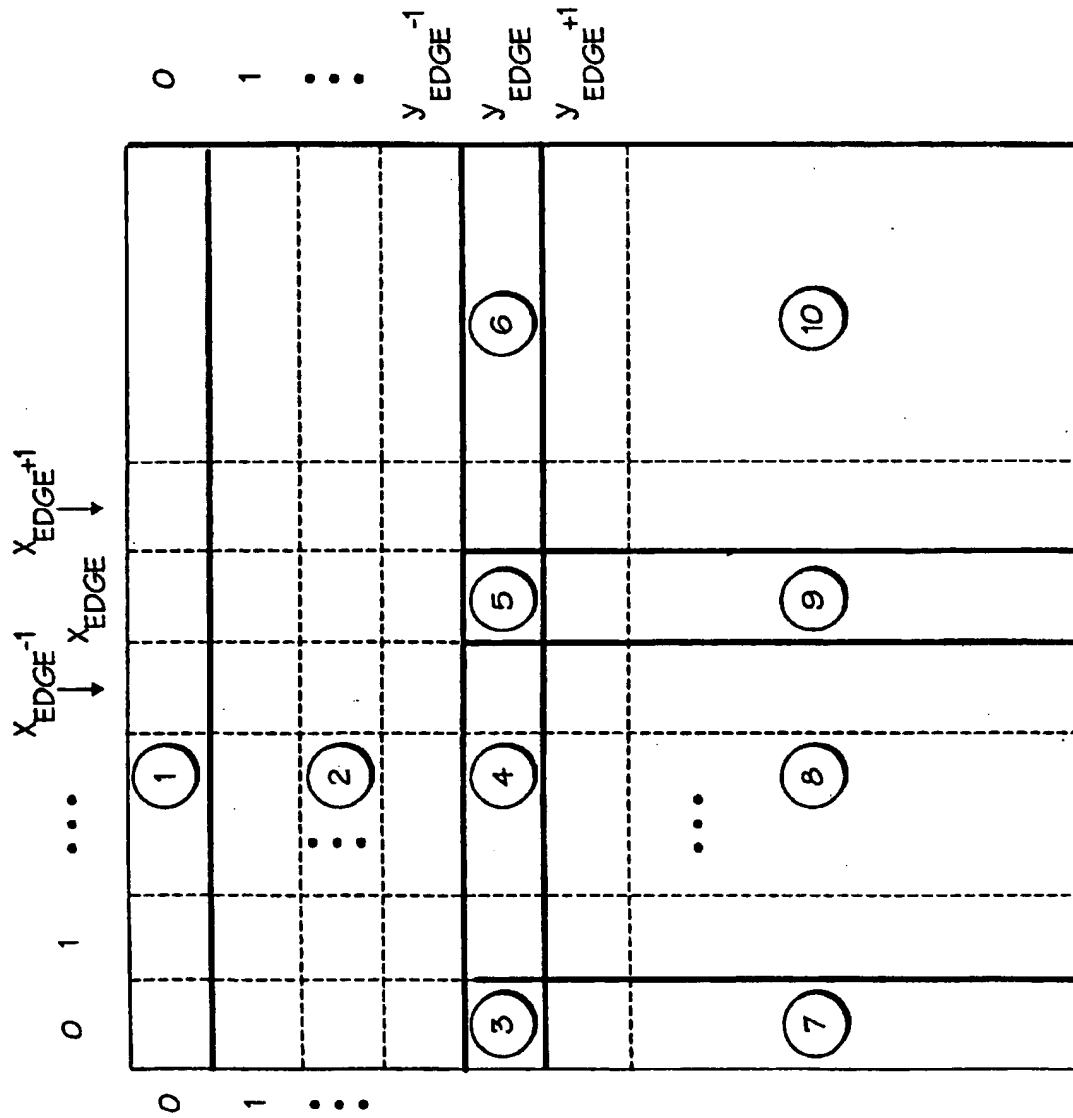


Fig. 10A

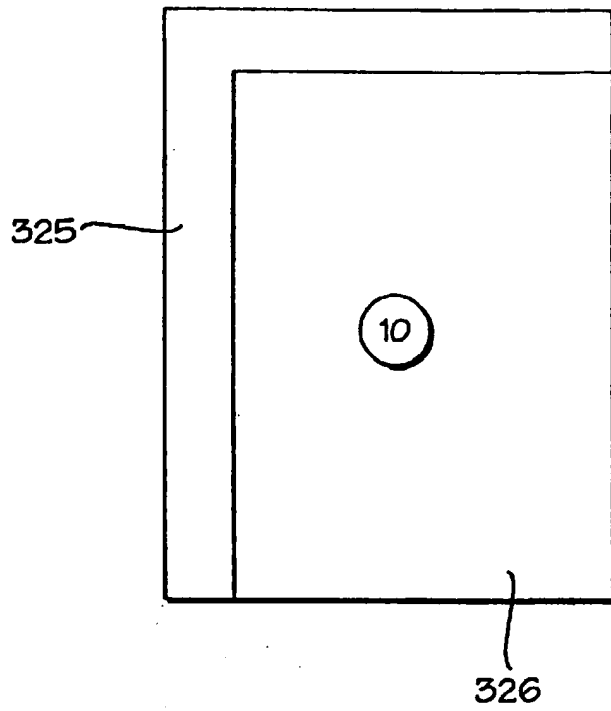


Fig. 10(B)

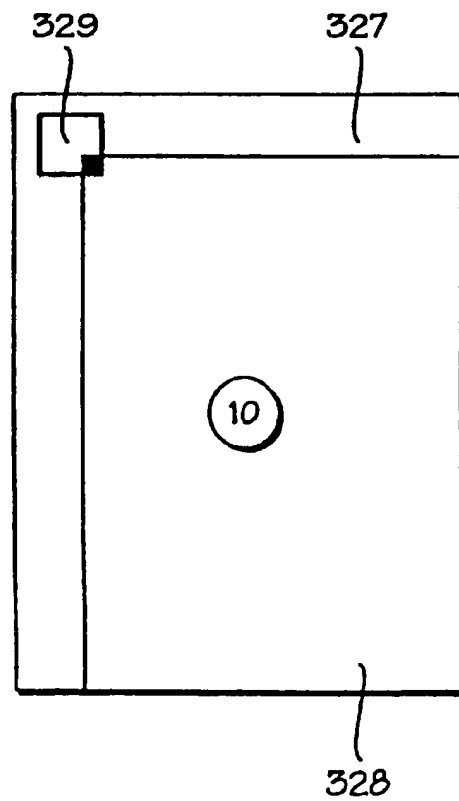


Fig. 10(C)

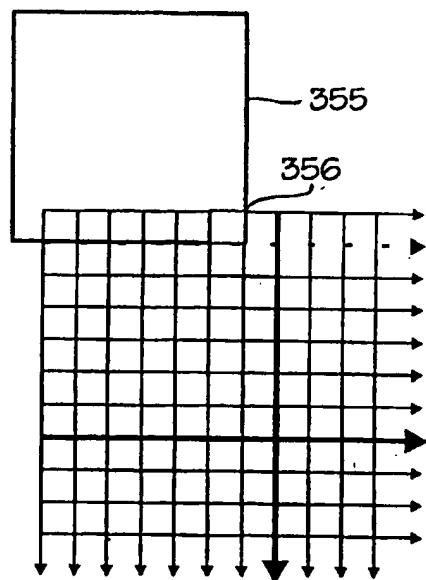


Fig. 11(A)

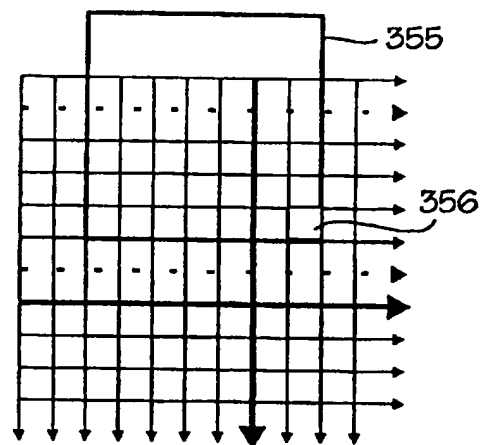


Fig. 11(B)

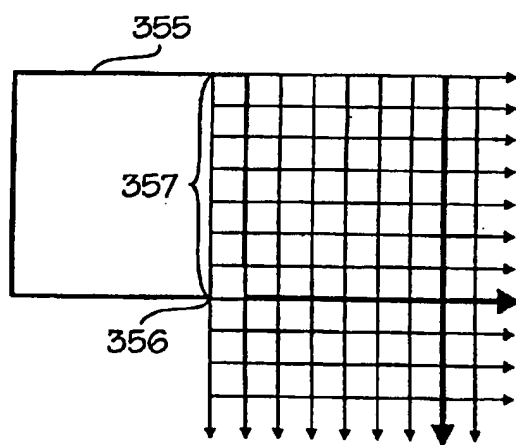


Fig. 11(C)

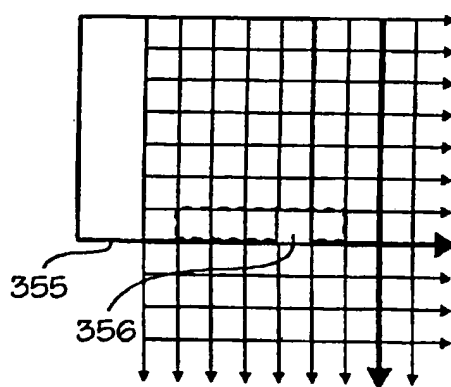


Fig. 11(D)

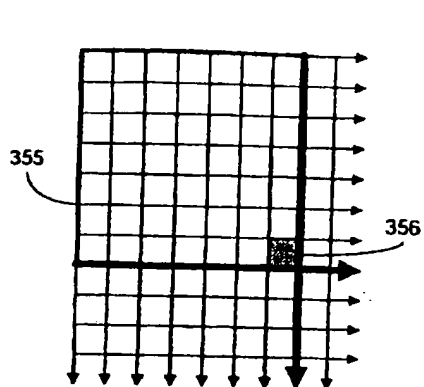


Fig. 11 (E)

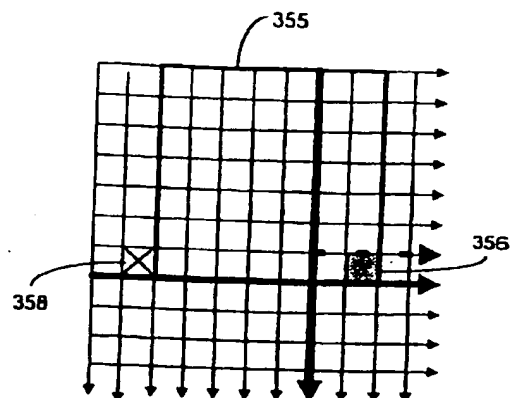


Fig. 11 (F)

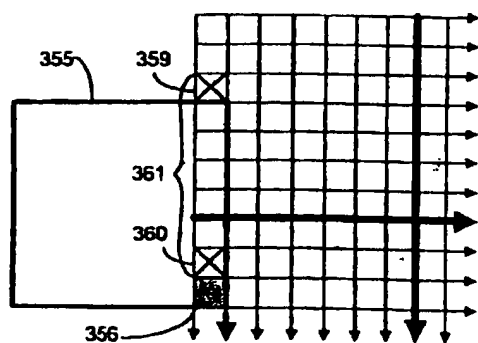


Fig. 11 (G)

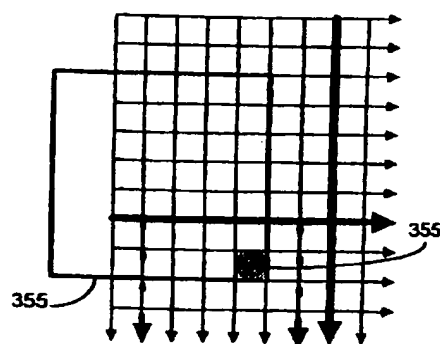


Fig. 11 (H)

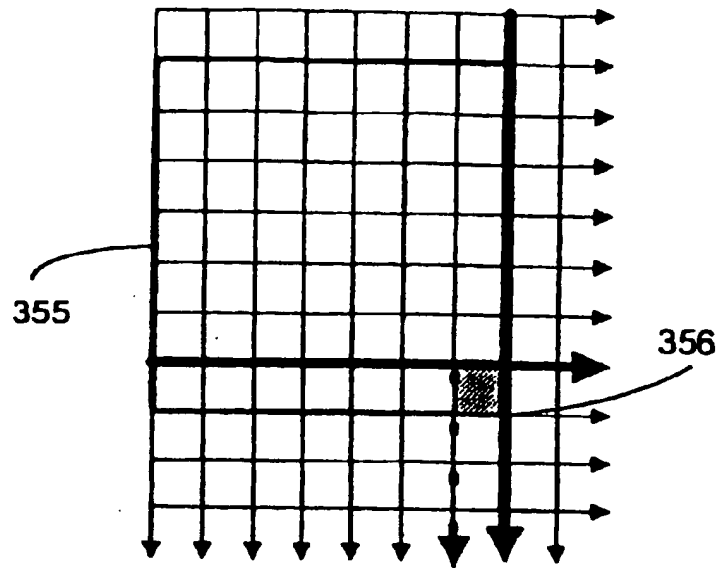


Fig. 11 (I)

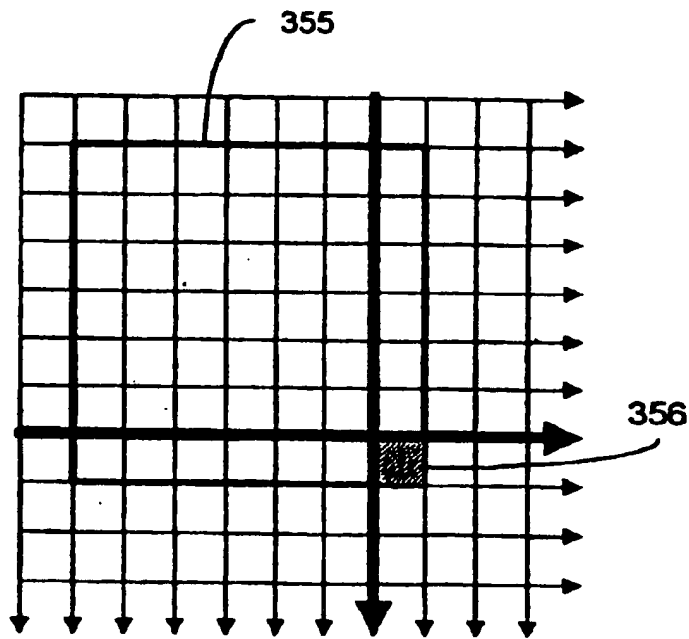


Fig. 11 (J)

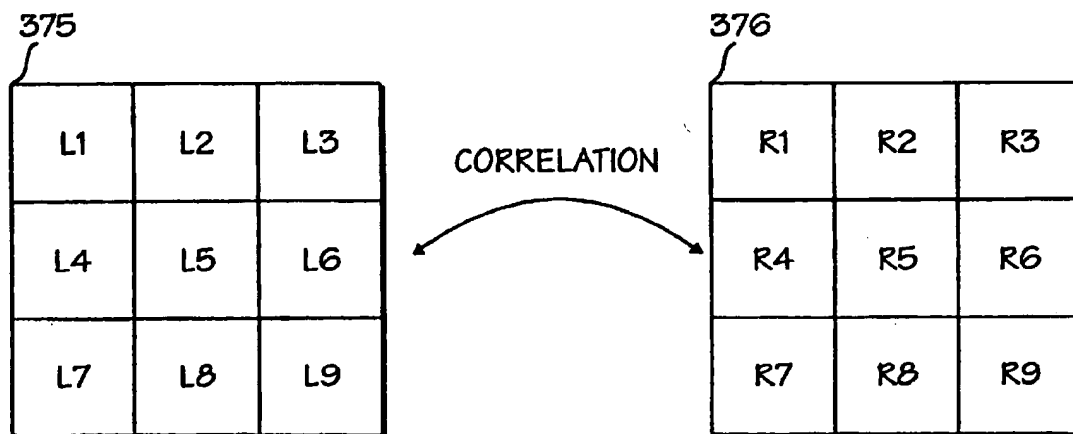


Fig. 12

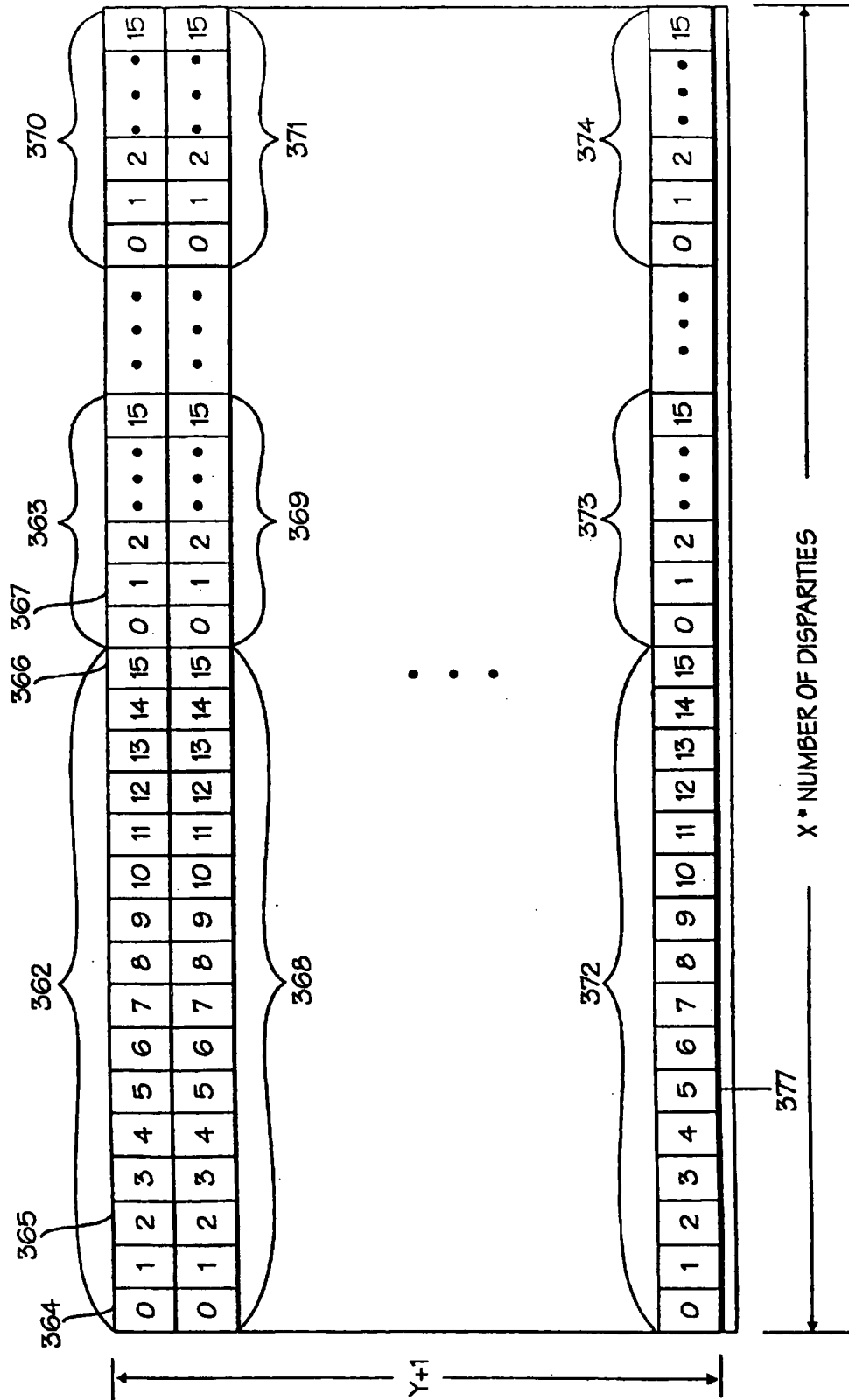
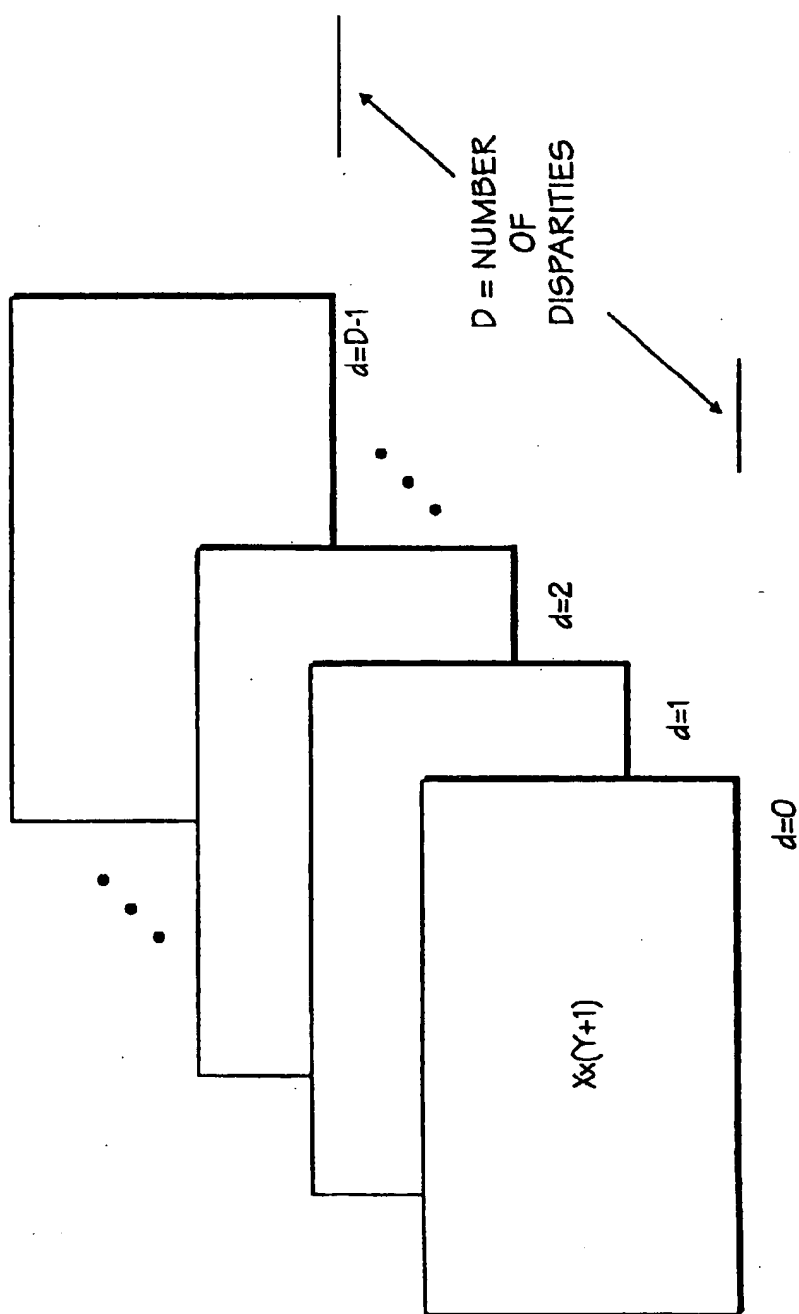
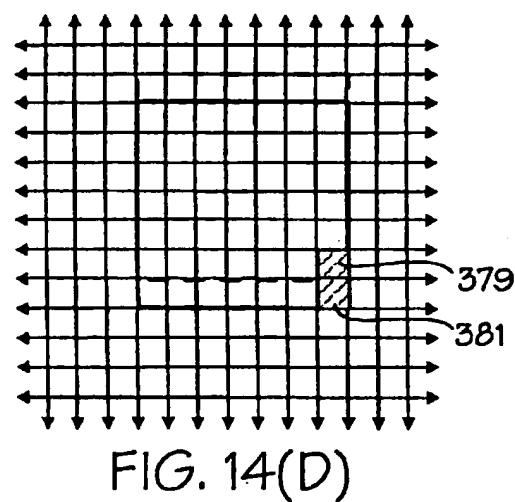
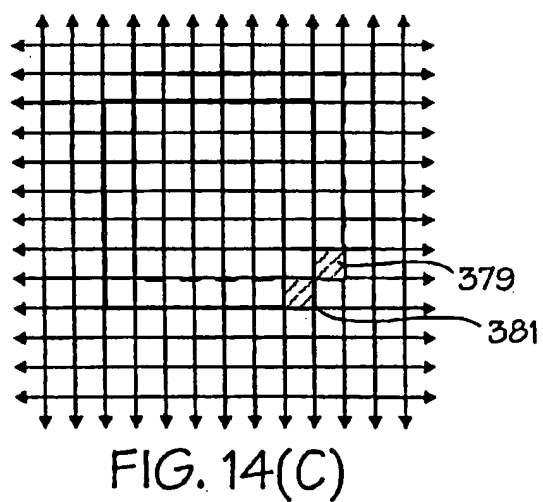
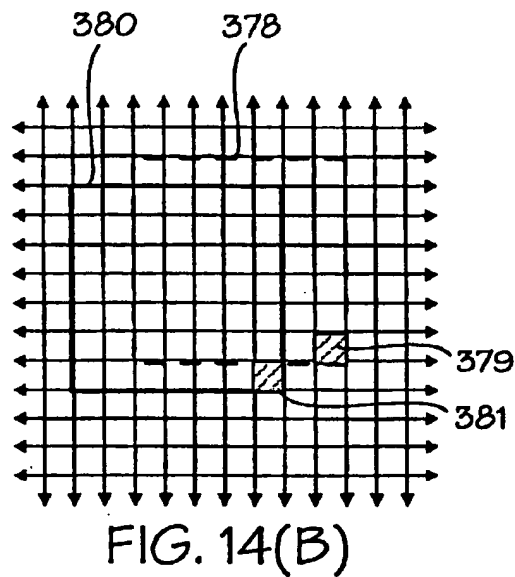
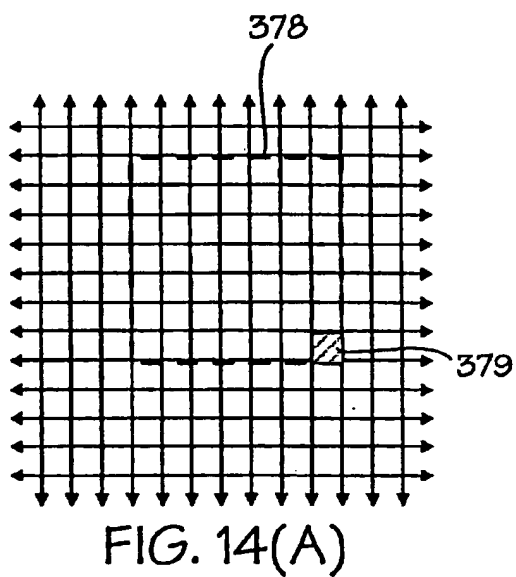


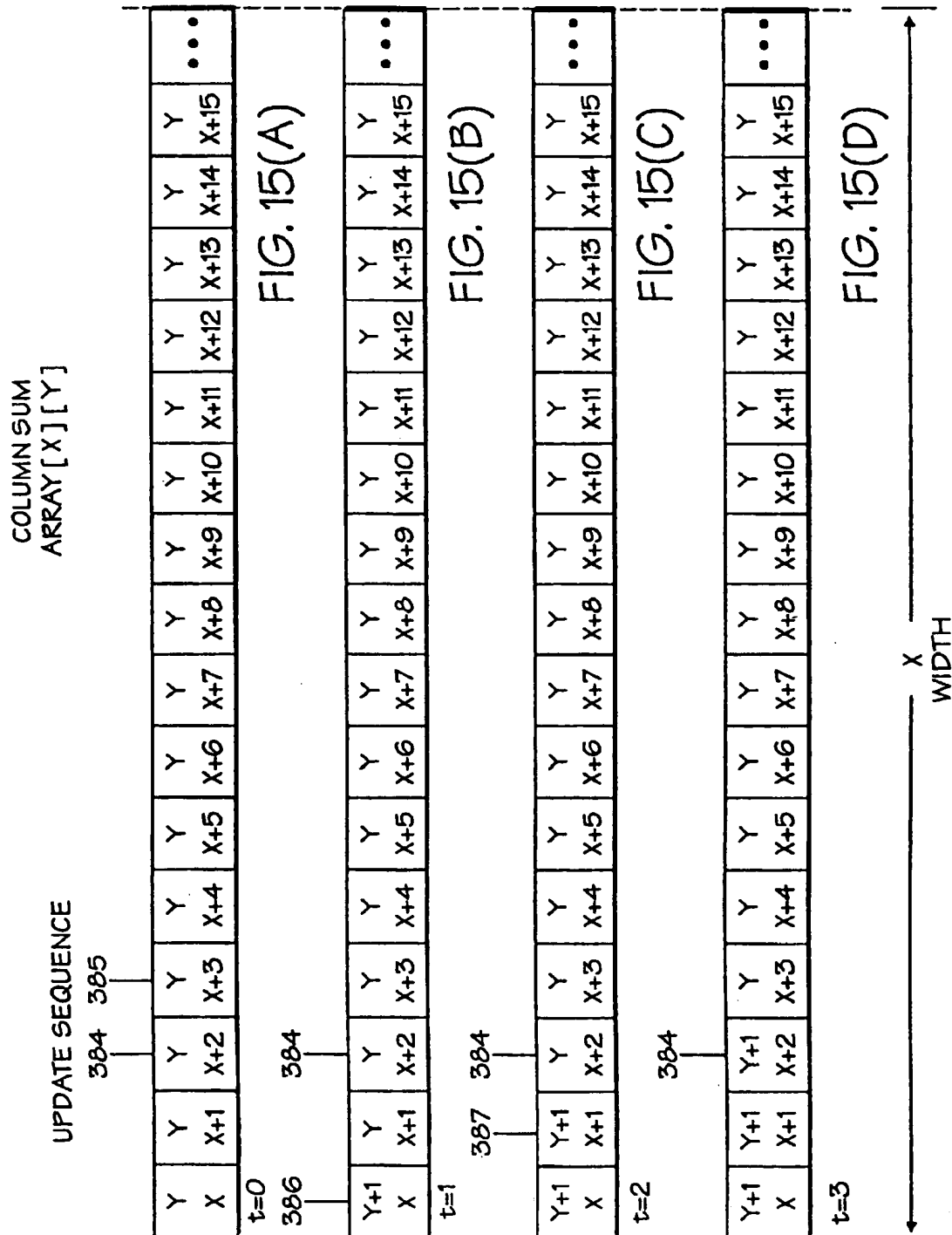
Fig. 13A



(B)

Fig. 13B





RIGHT IMAGE = REFERENCE
LEFT IMAGE RIGHT IMAGE



Fig. 16A

Fig. 16B

RIGHT IMAGE = REFERENCE
LEFT IMAGE RIGHT IMAGE

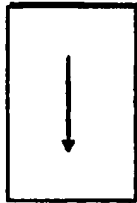
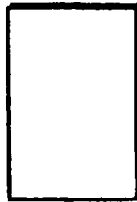


Fig. 16C

Fig. 16D

CENSUS VECTORS
LEFT IMAGE

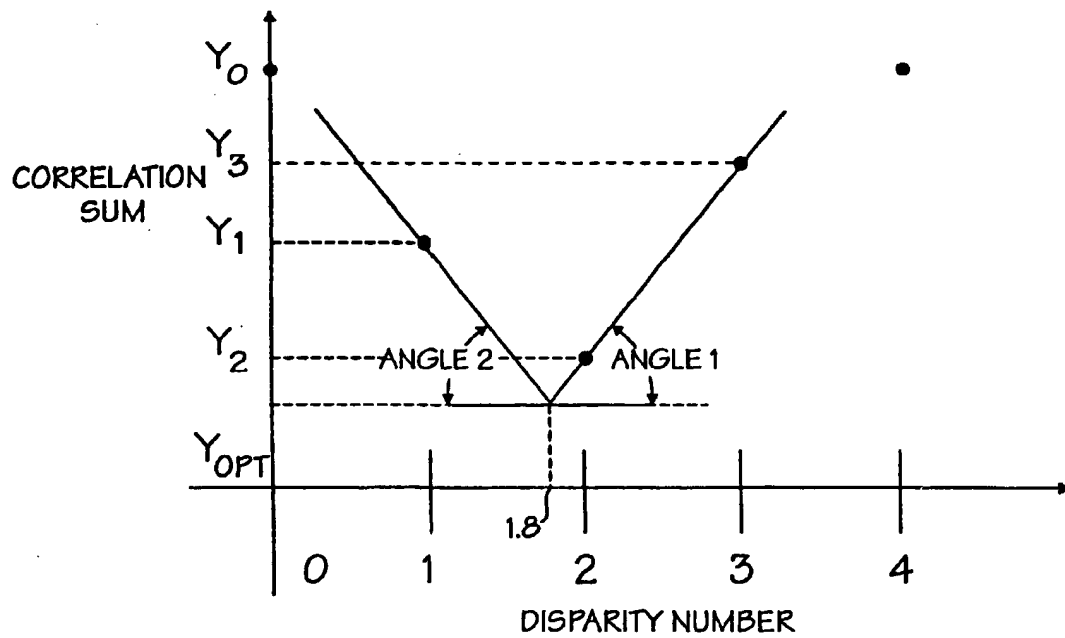
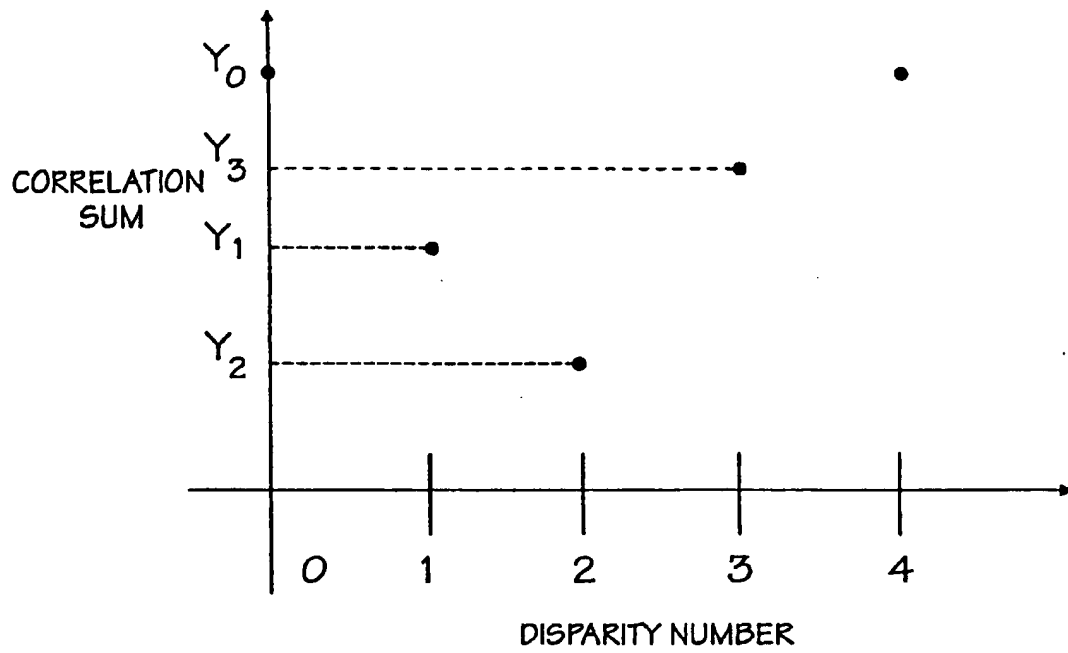
A_L	B_L	C_L	D_L	E_L	F_L	G_L	H_L	I_L	J_L	...
<div>•</div> <div>•</div> <div>•</div>										

Fig. 16E

CENSUS VECTORS
RIGHT IMAGE

A_R	B_R	C_R	D_R	E_R	F_R	G_R	H_R	I_R	J_R	
<div>•</div> <div>•</div> <div>•</div>										

Fig. 16F



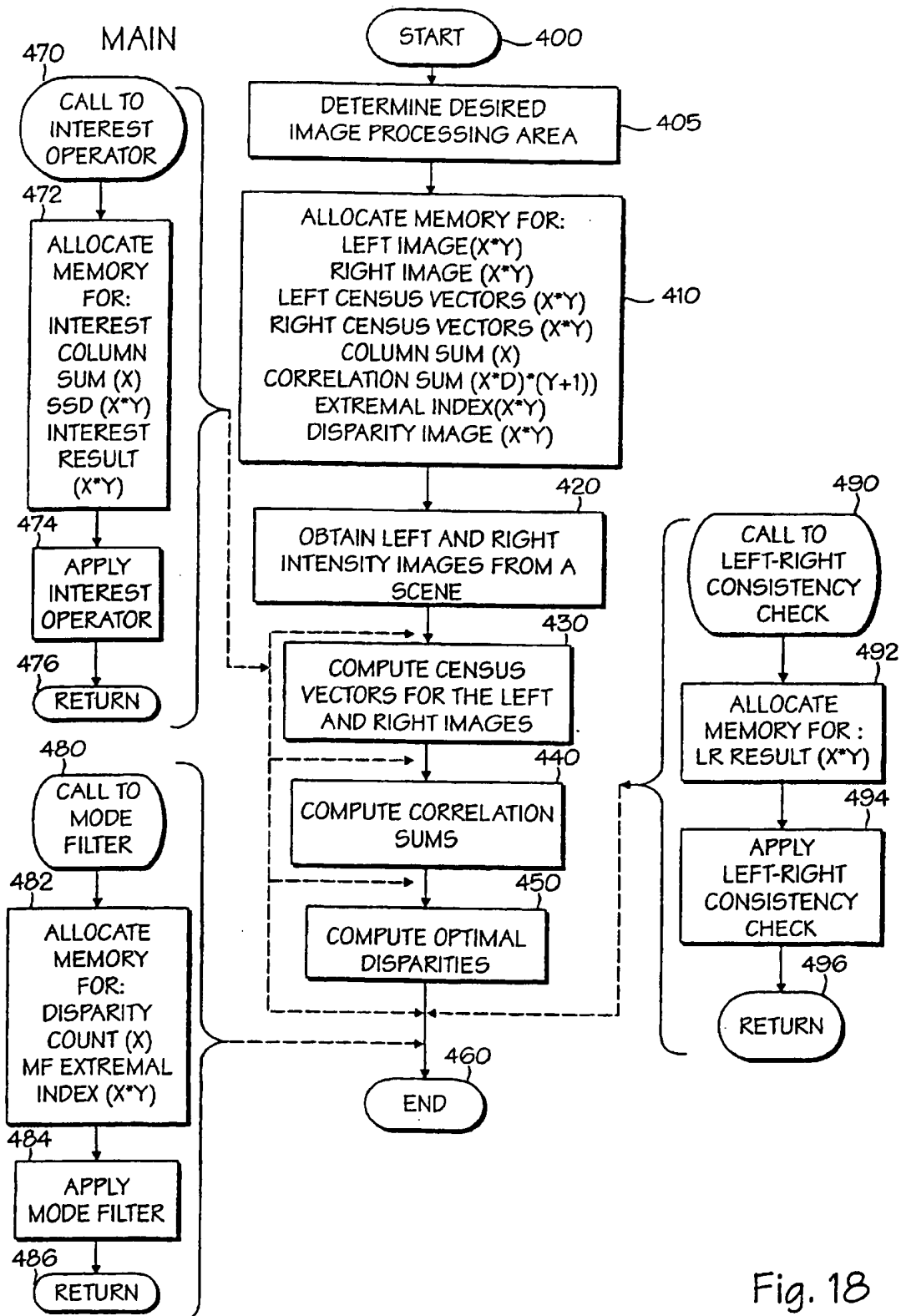


Fig. 18

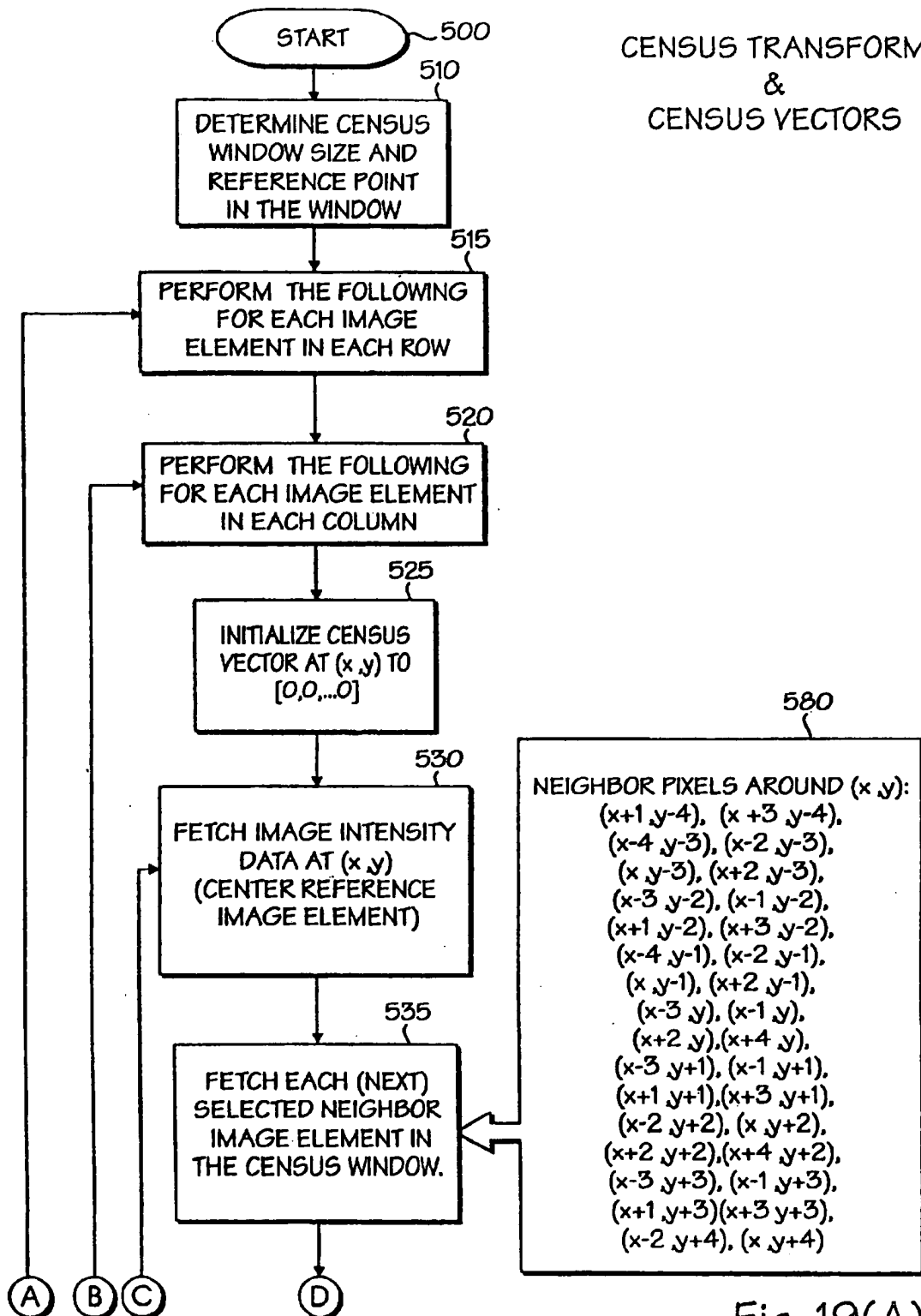


Fig. 19(A)

CENSUS TRANSFORM & CENSUS VECTORS

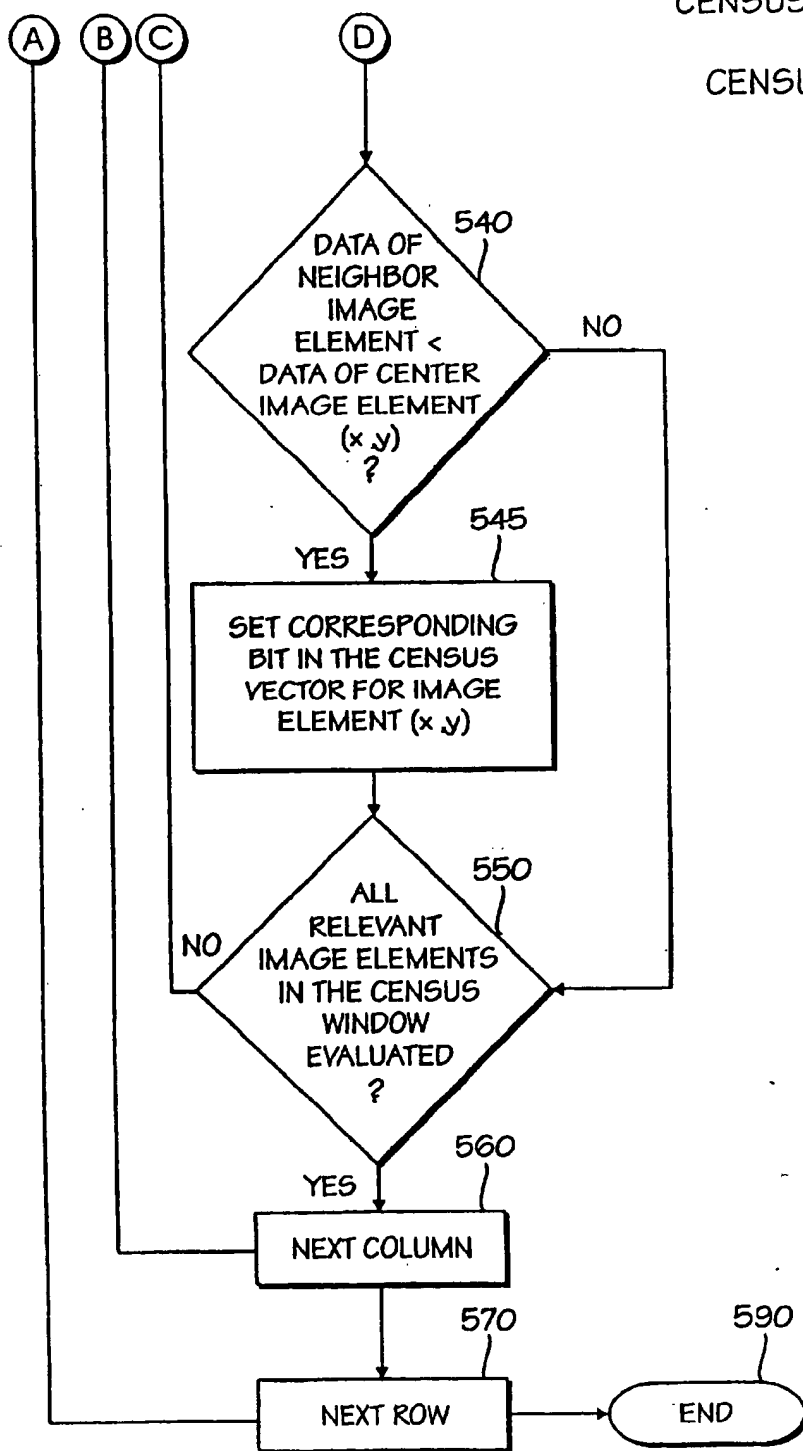


Fig. 19(B)

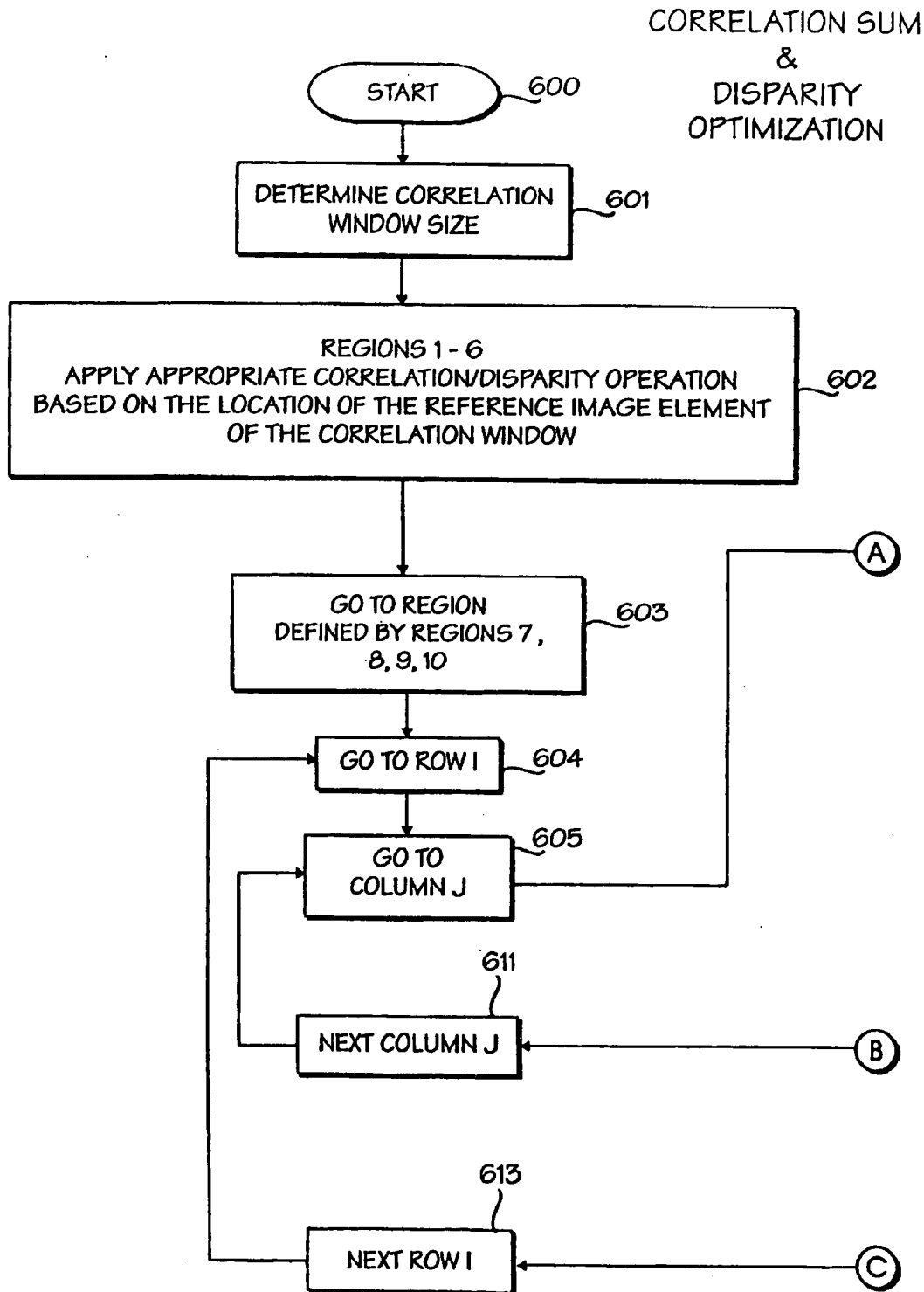


Fig. 20(A)

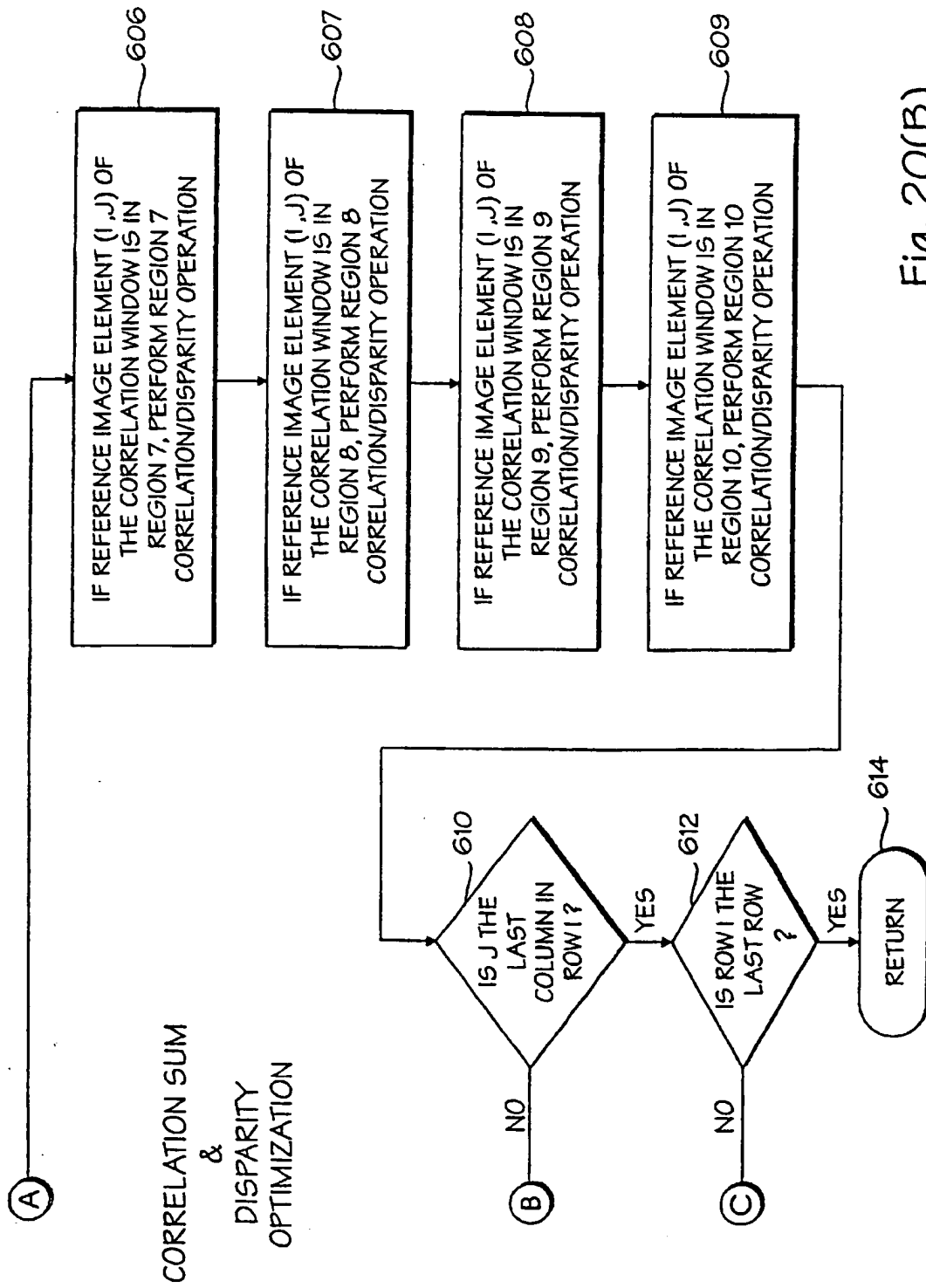


Fig. 20(B)

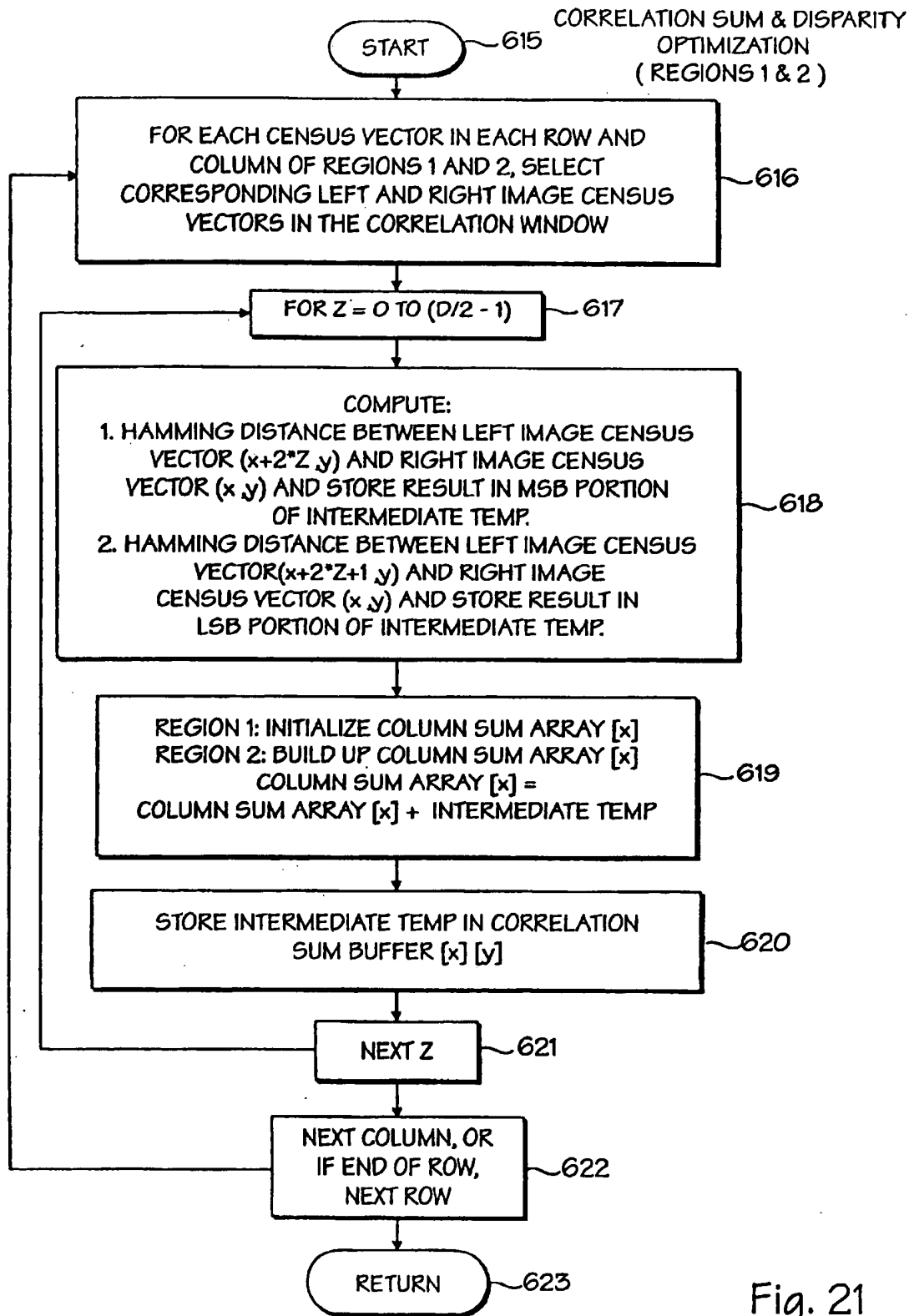


Fig. 21

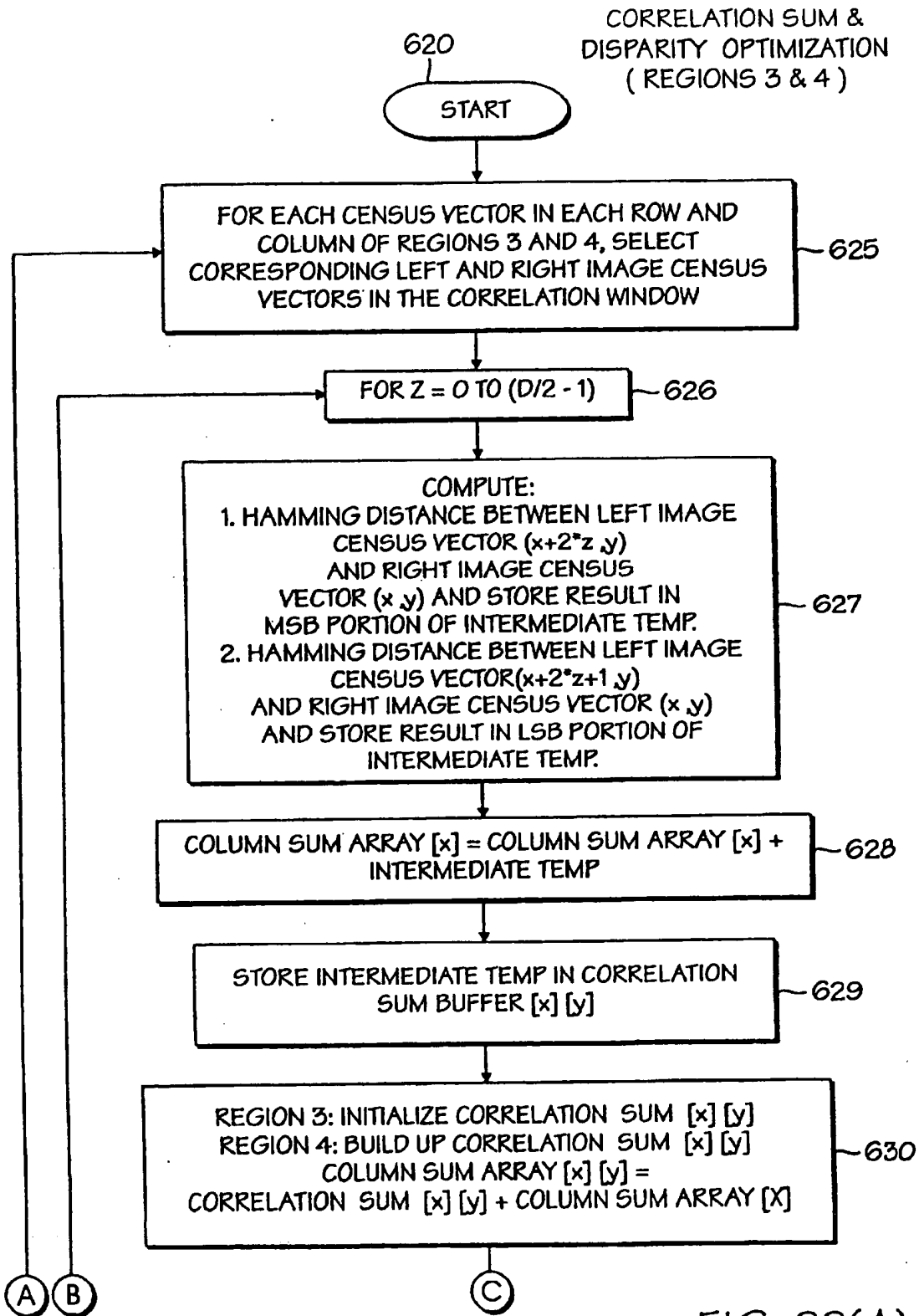


FIG. 22(A)

CORRELATION SUM &
DISPARITY OPTIMIZATION
(REGIONS 3 & 4)

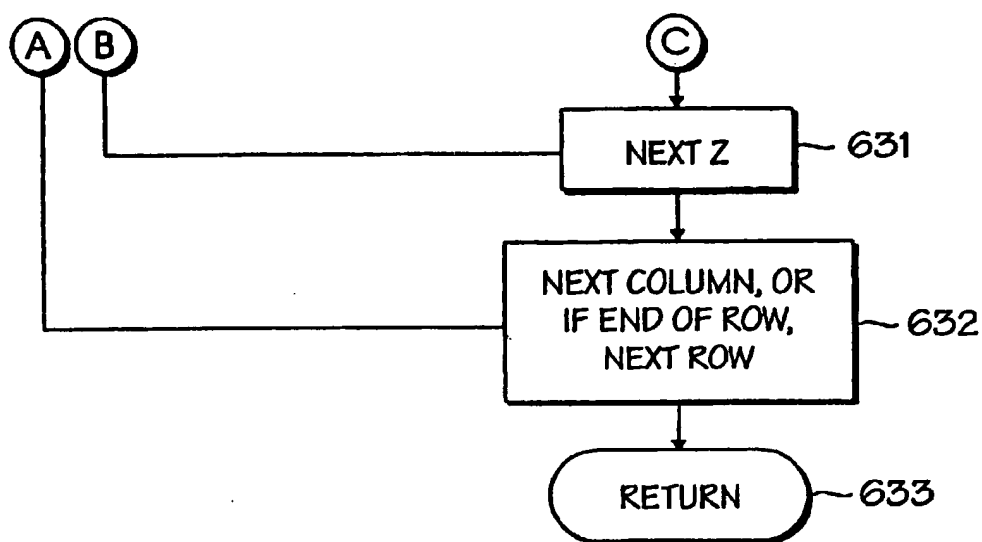


FIG. 22(B)

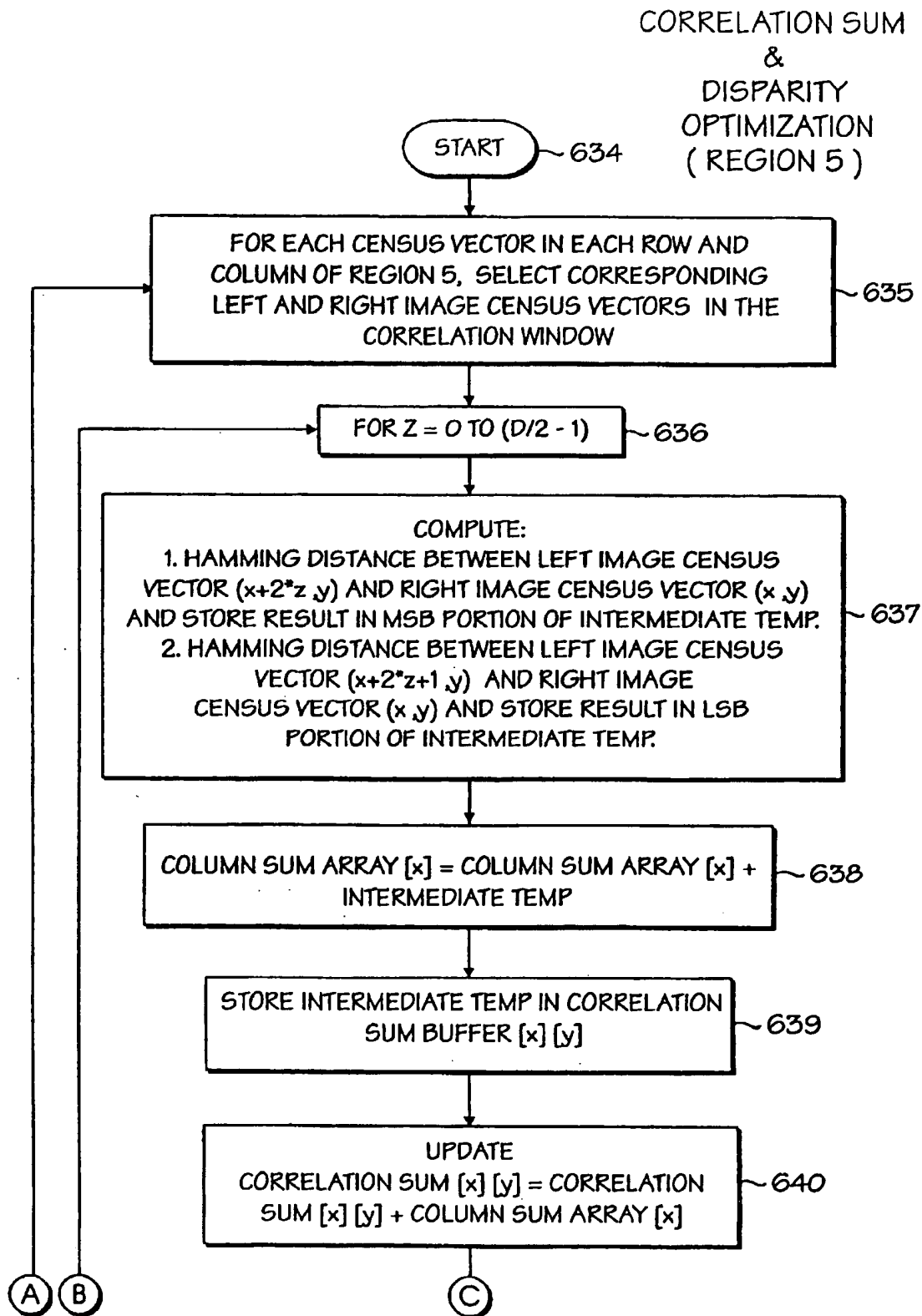


FIG. 23(A)

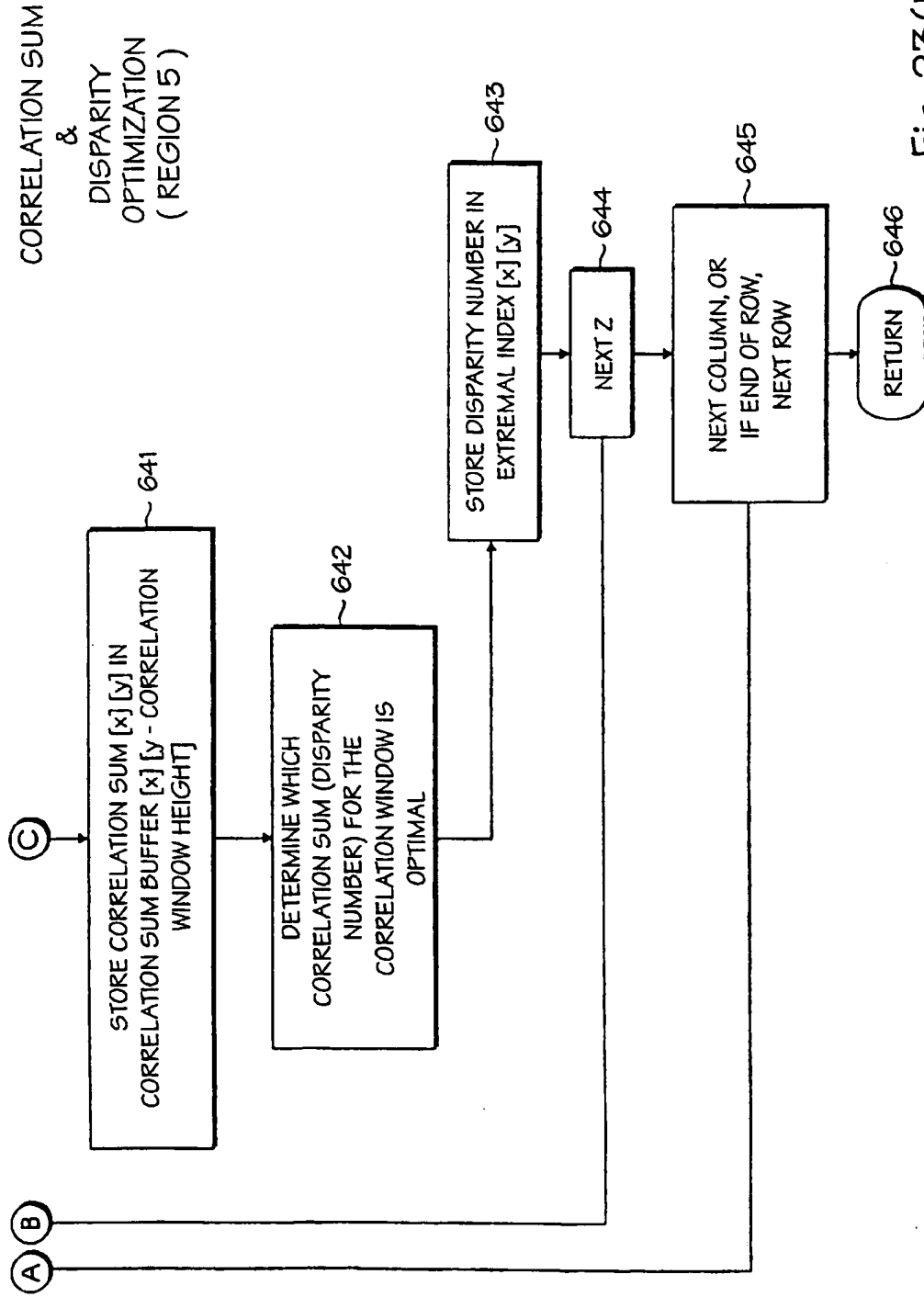
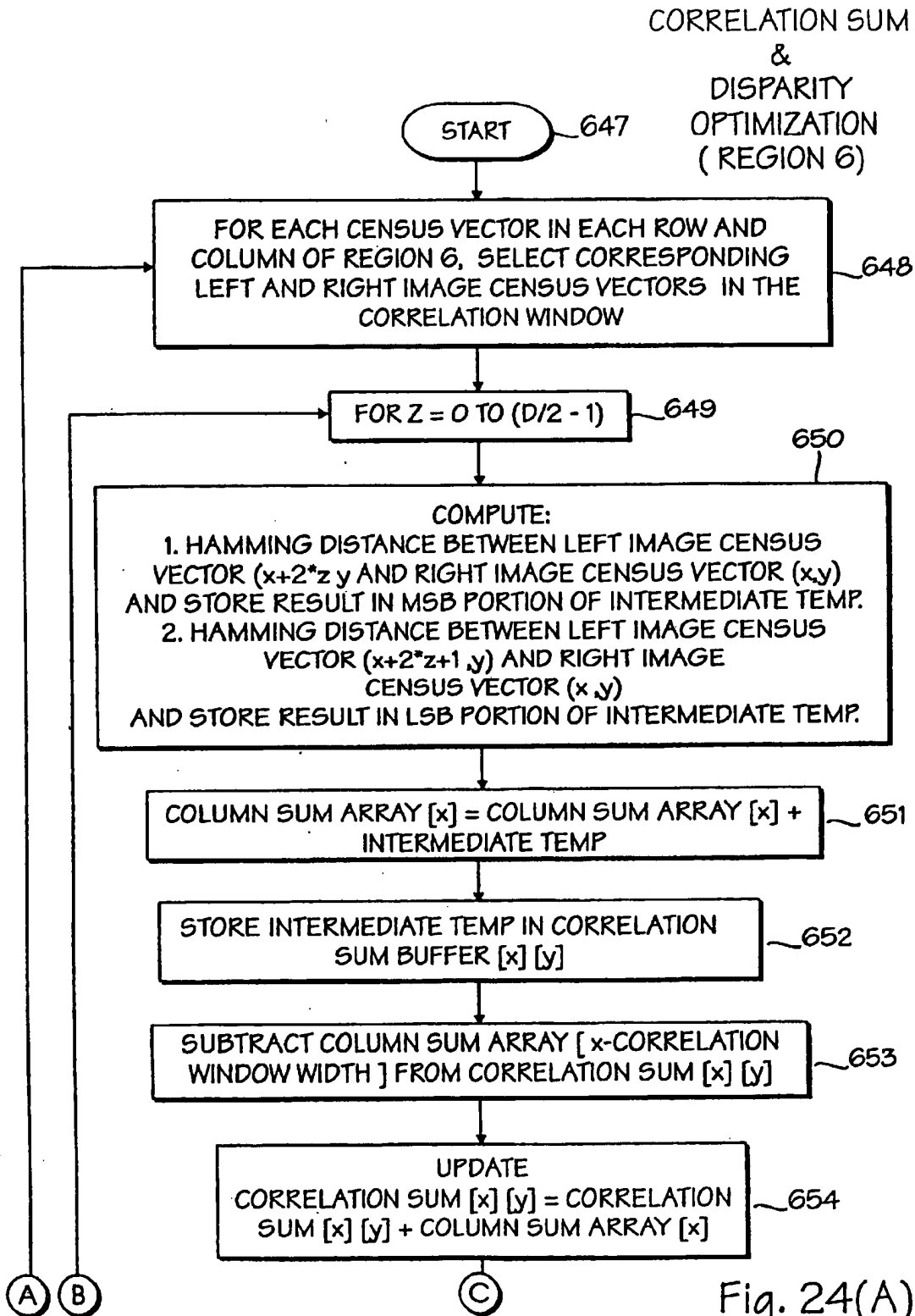
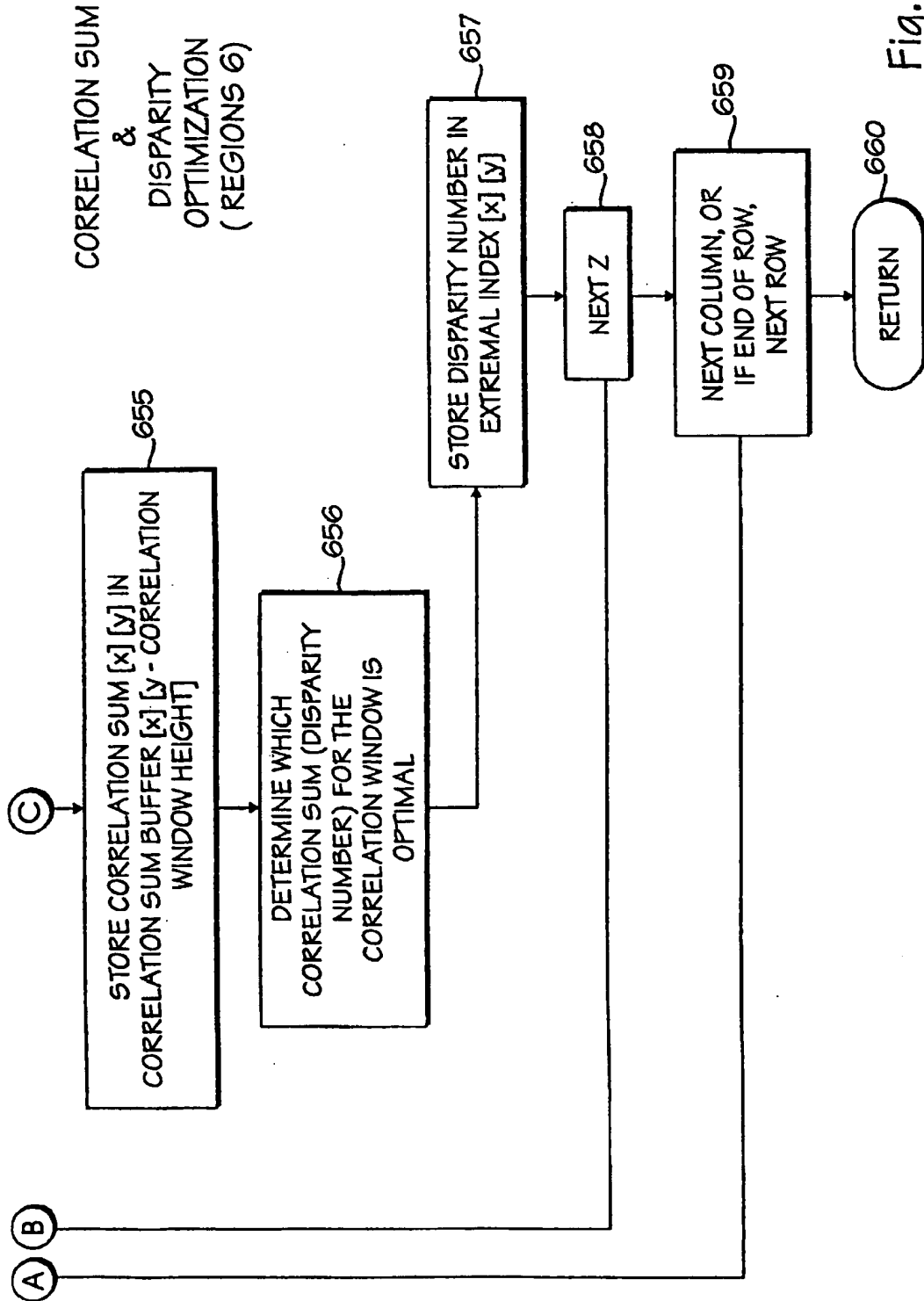


Fig. 23(B)





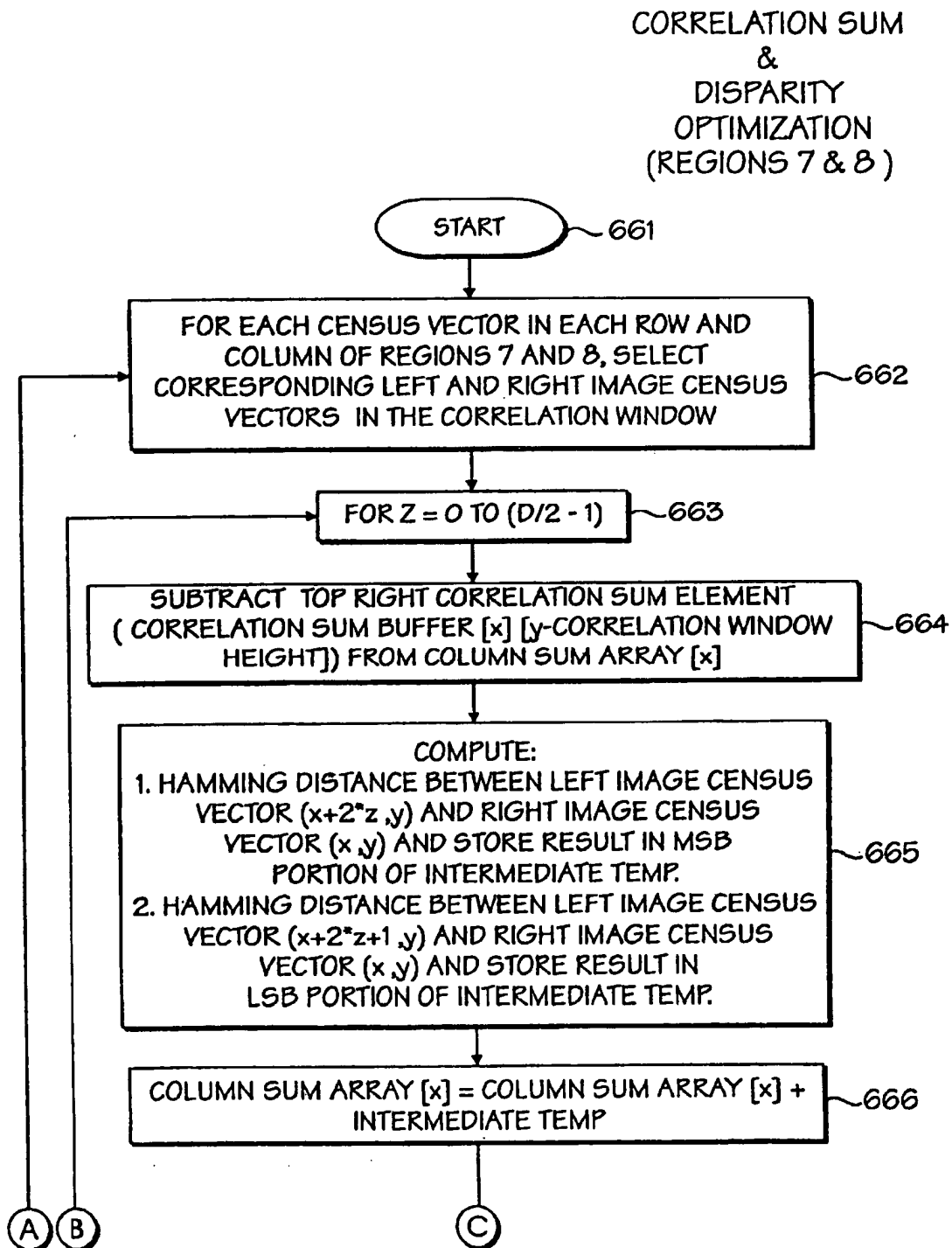


Fig. 25(A)

CORRELATION SUM
 &
 DISPARITY
 OPTIMIZATION
 (REGIONS 7 & 8)

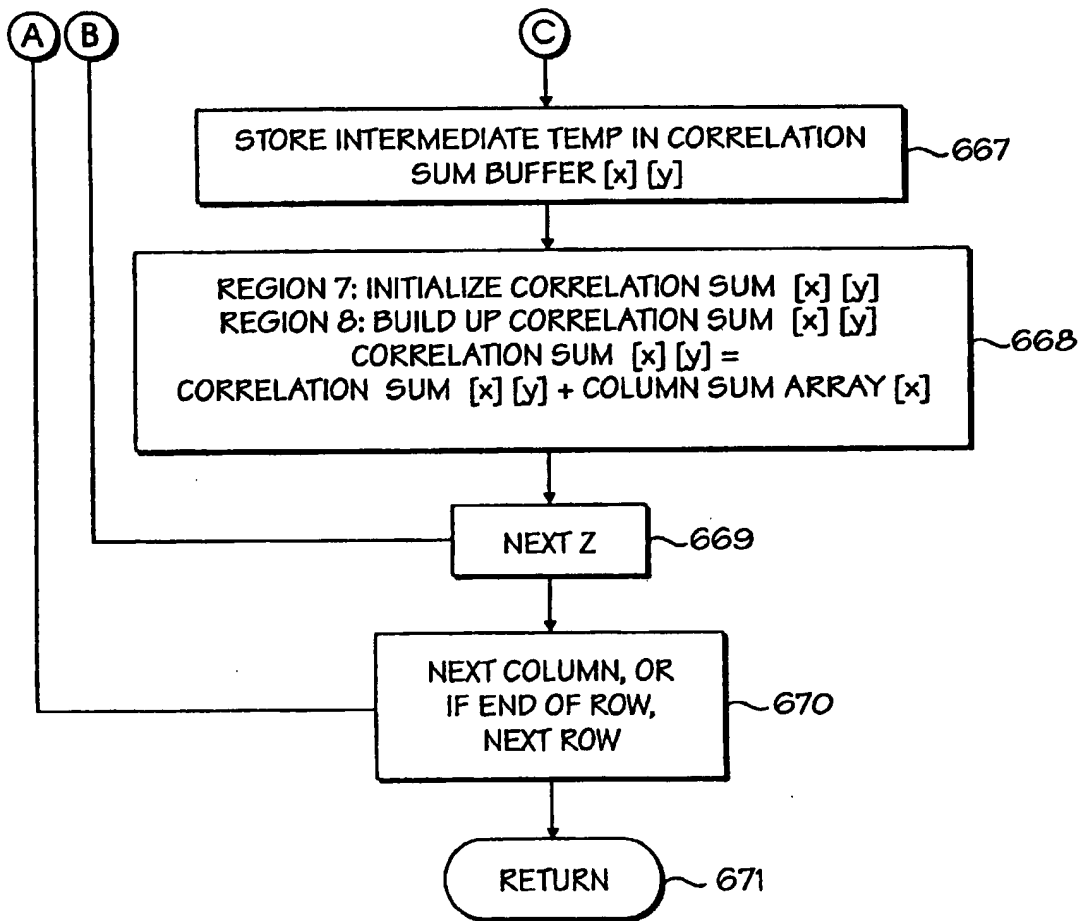


Fig. 25(B)

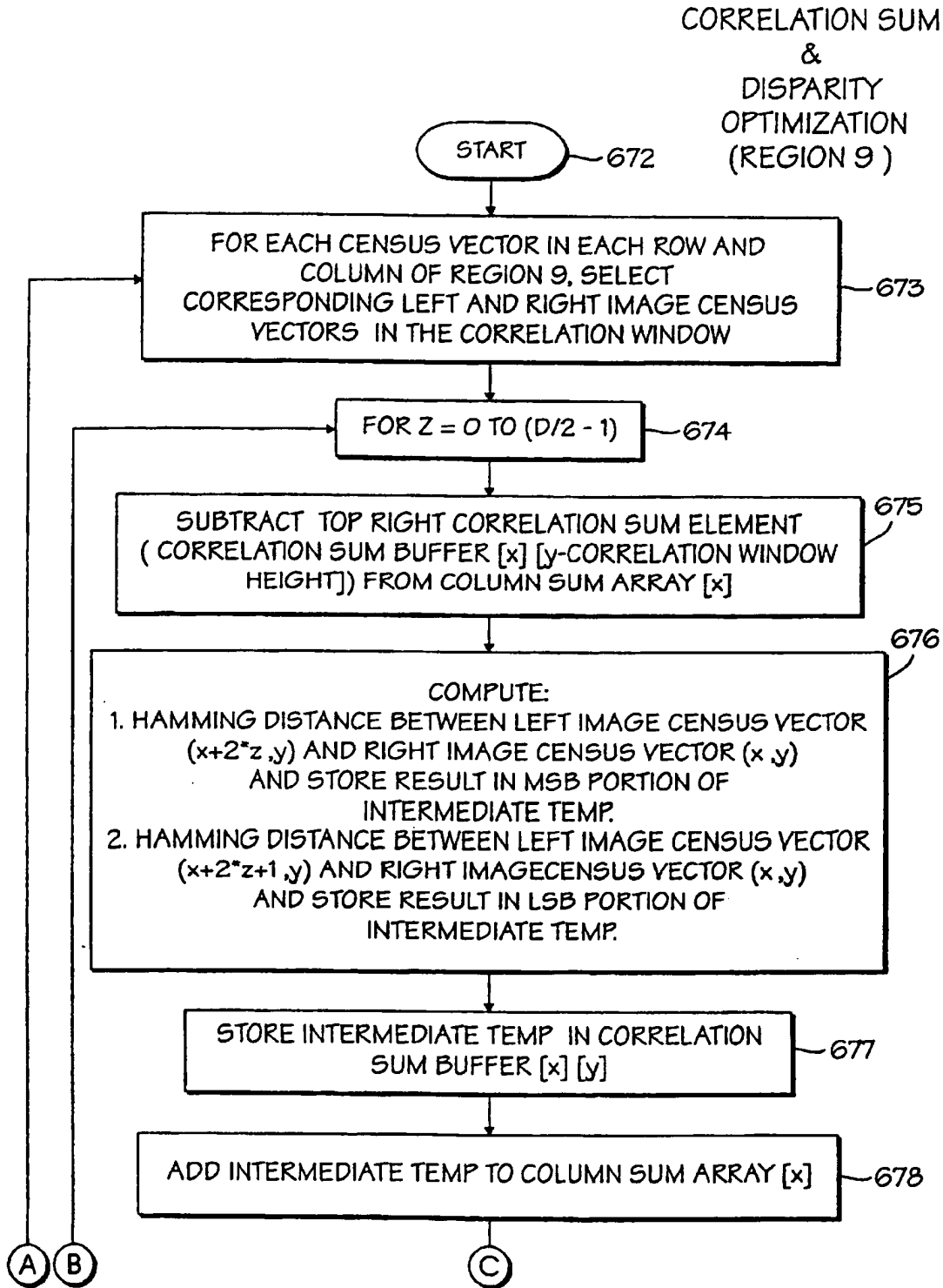
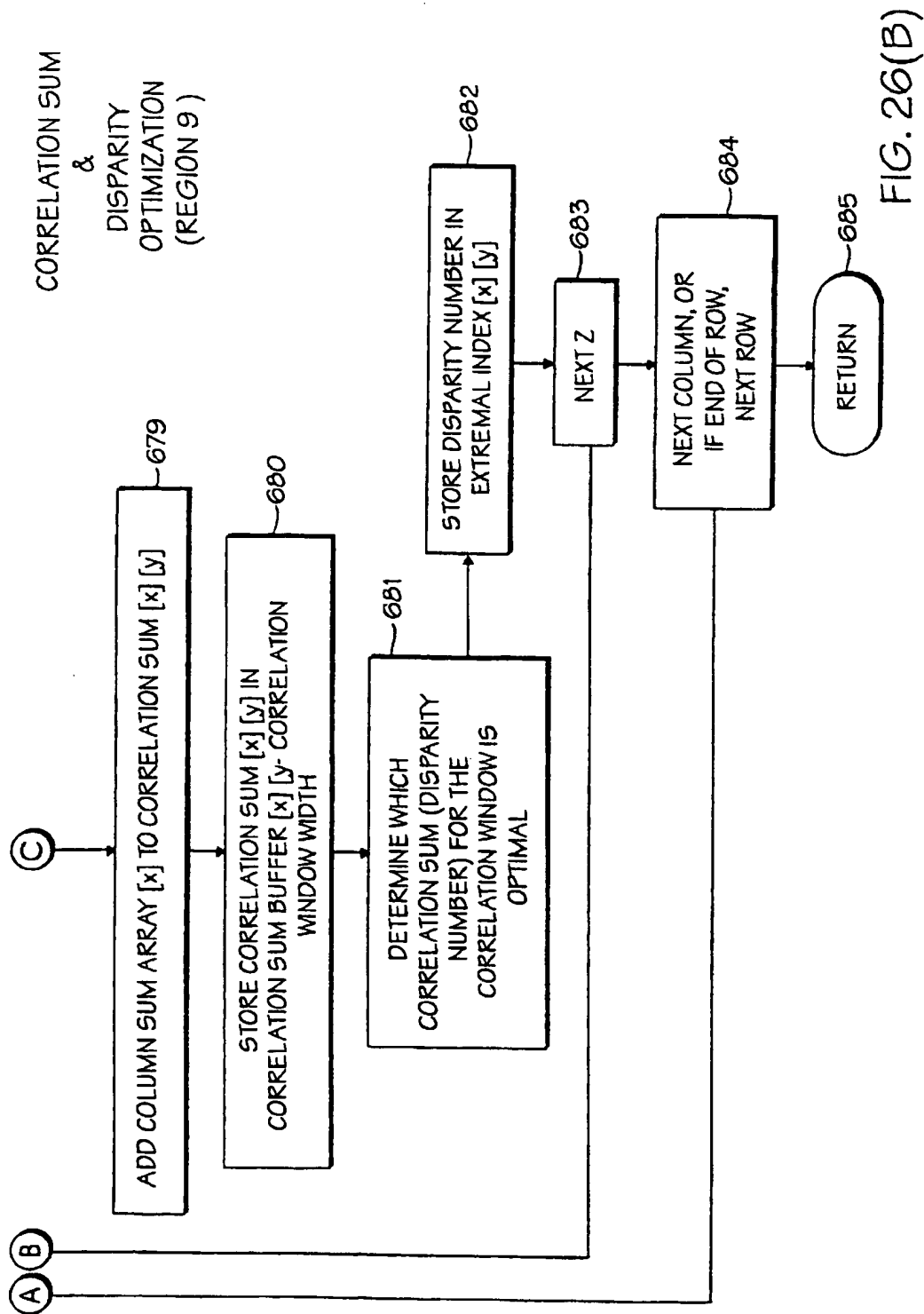


FIG. 26(A)



CORRELATION SUM
 &
 DISPARITY OPTIMIZATION
 (REGION 10)

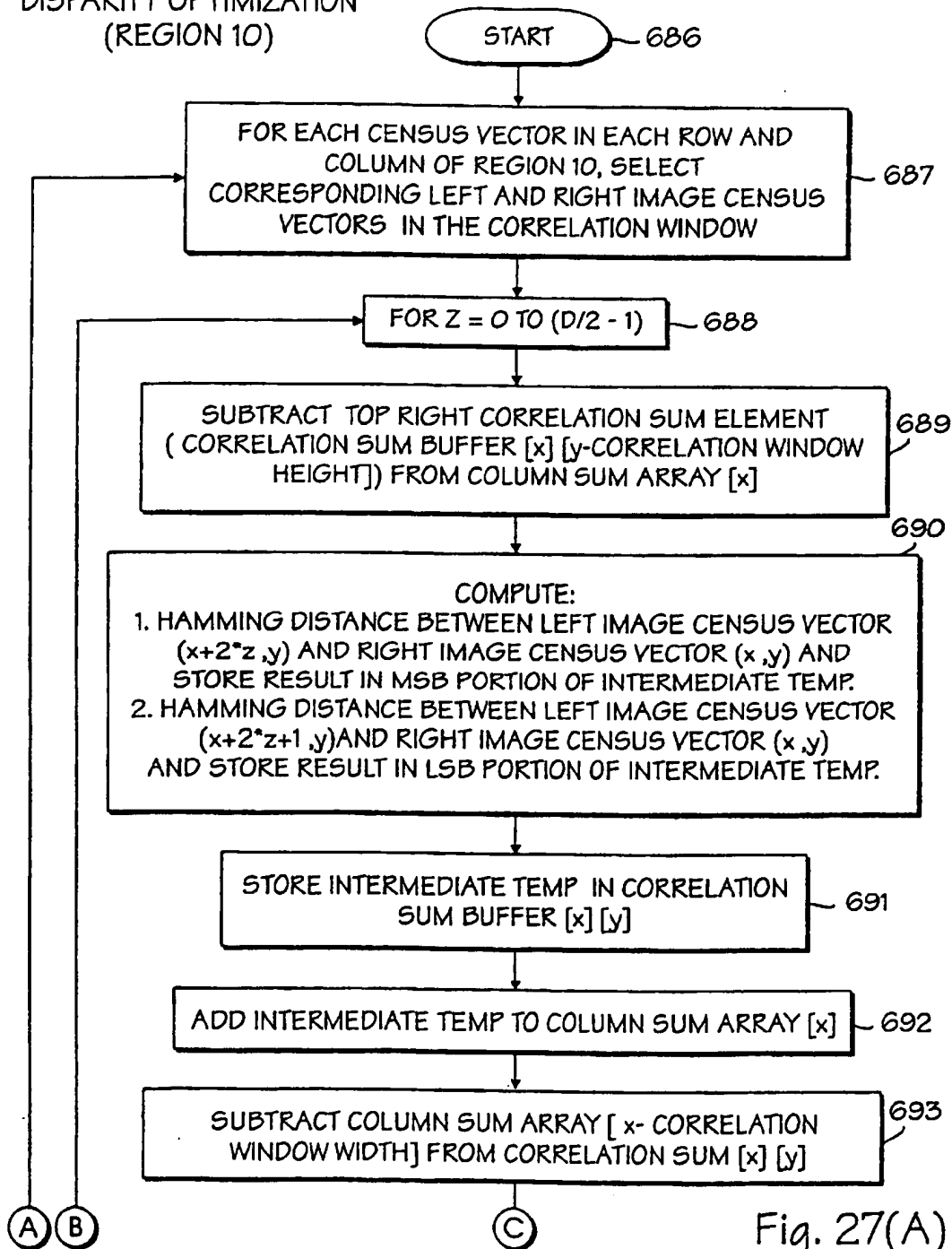
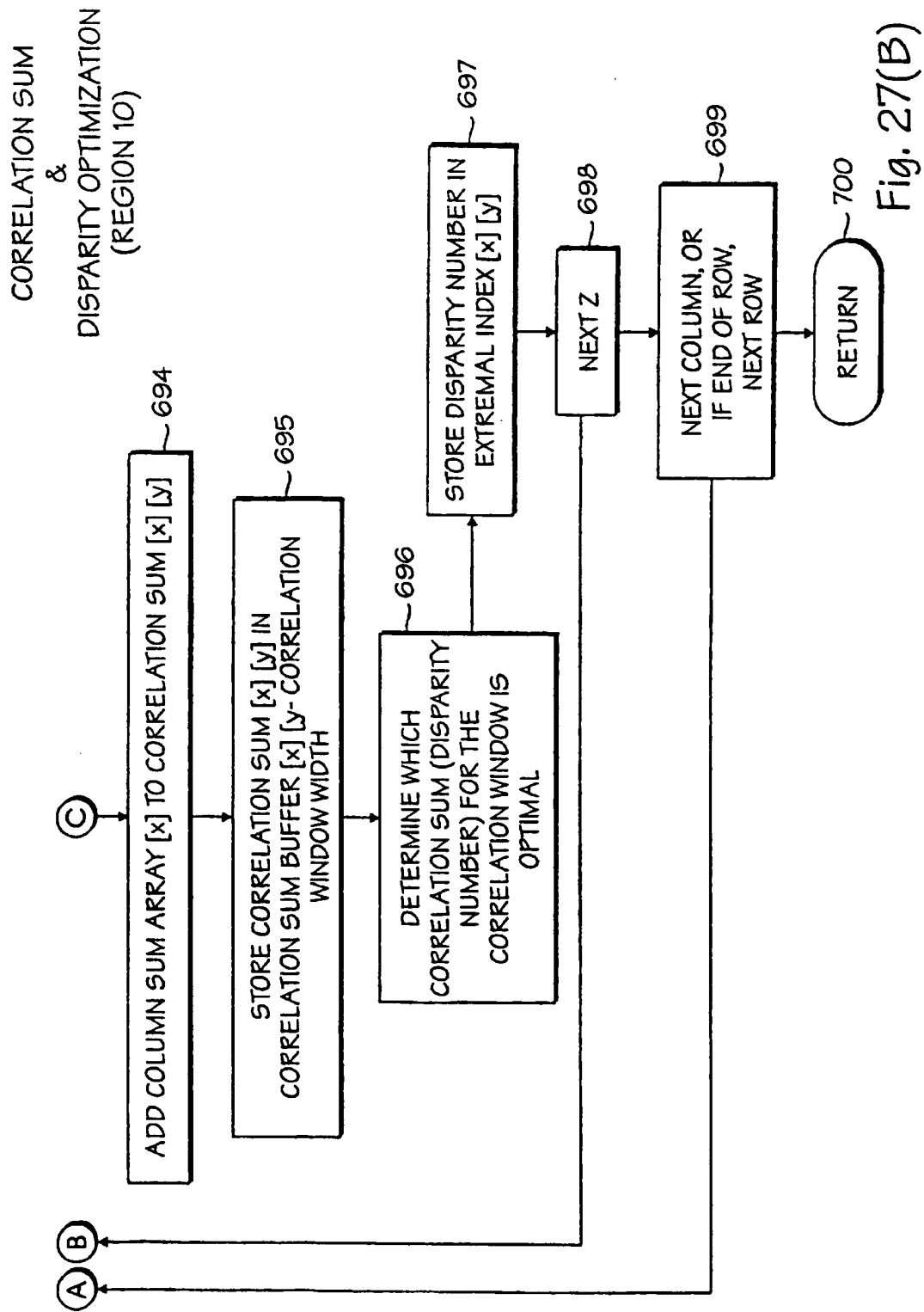


Fig. 27(A)



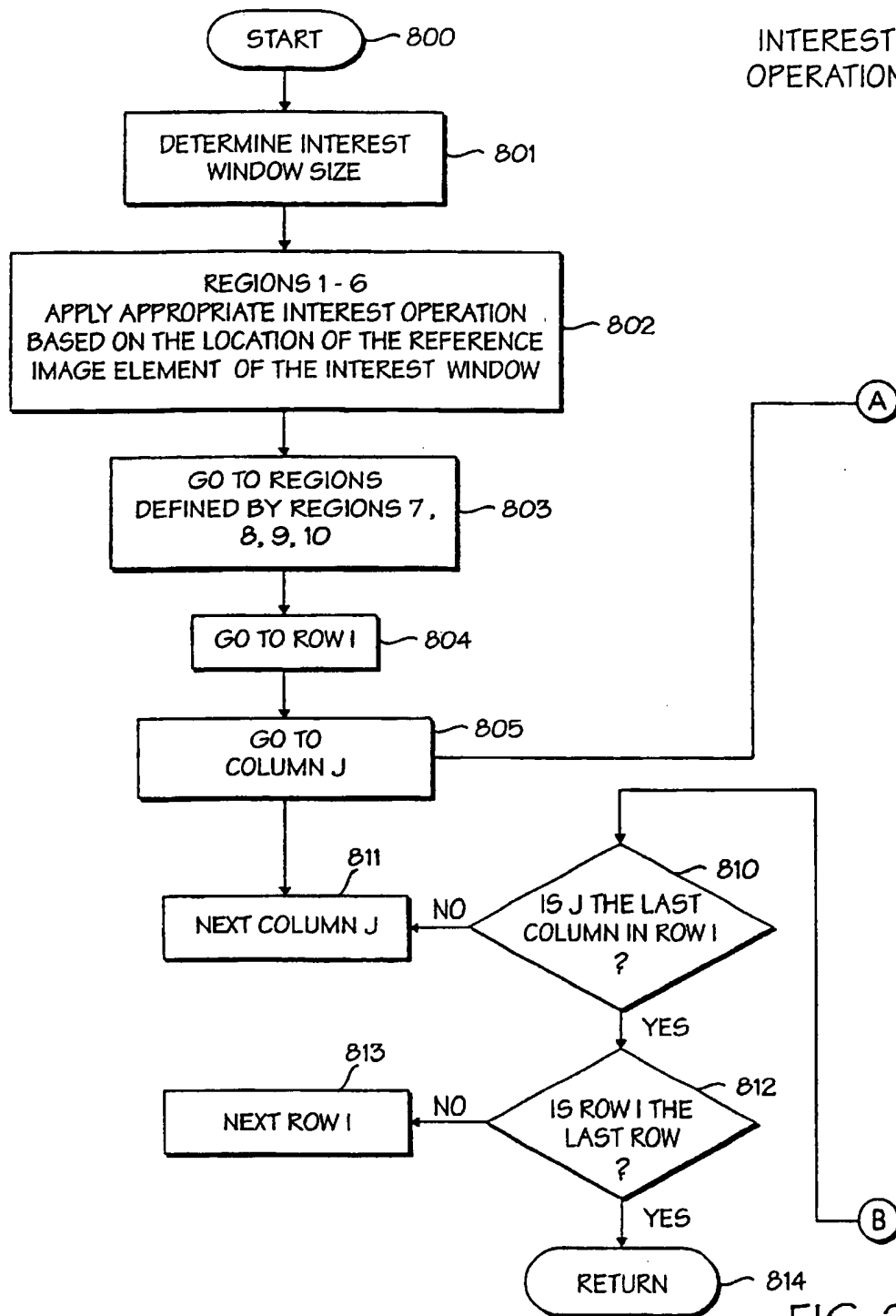


FIG. 28(A)

INTEREST OPERATION

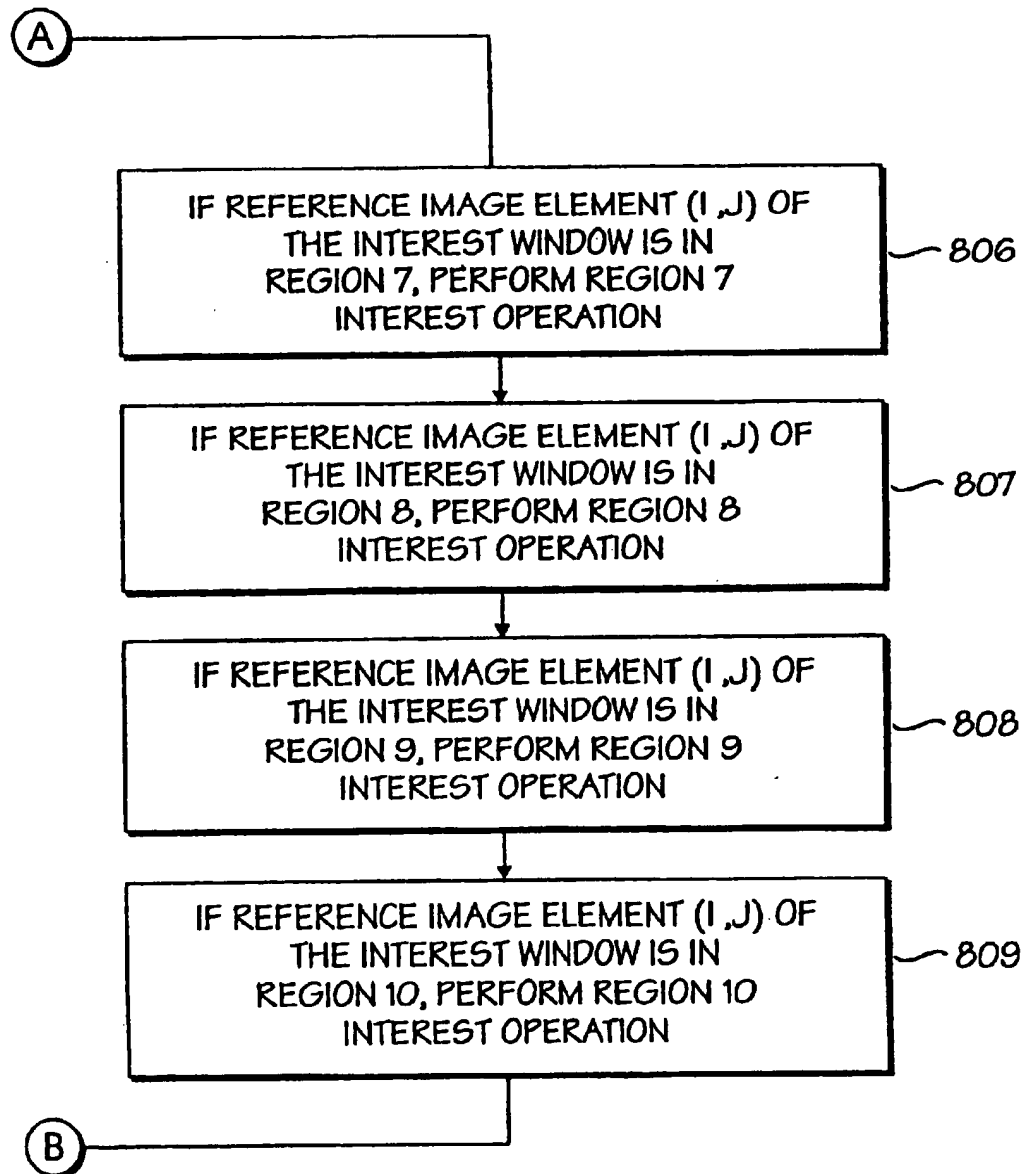


FIG. 28(B)

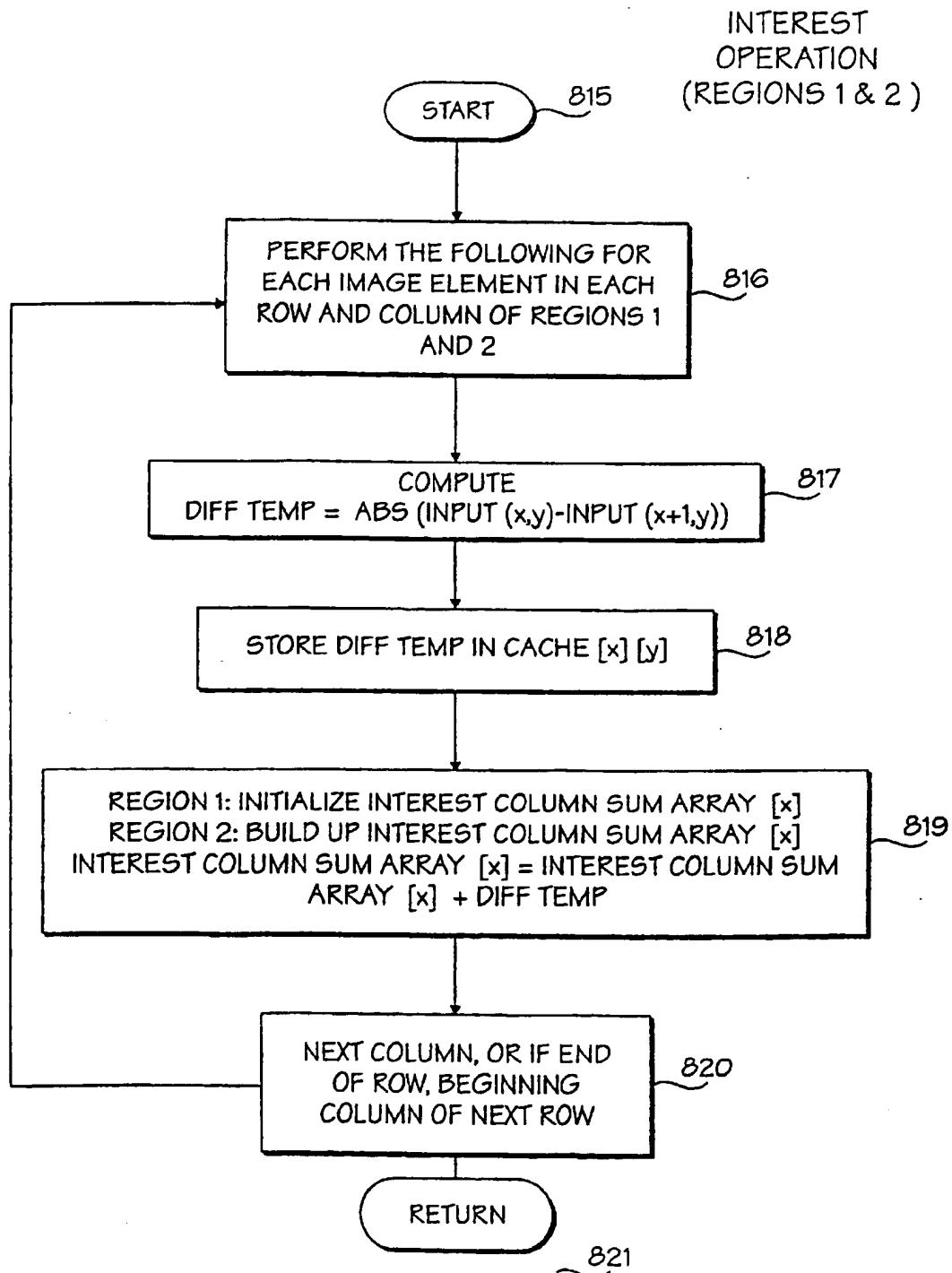


FIG. 29

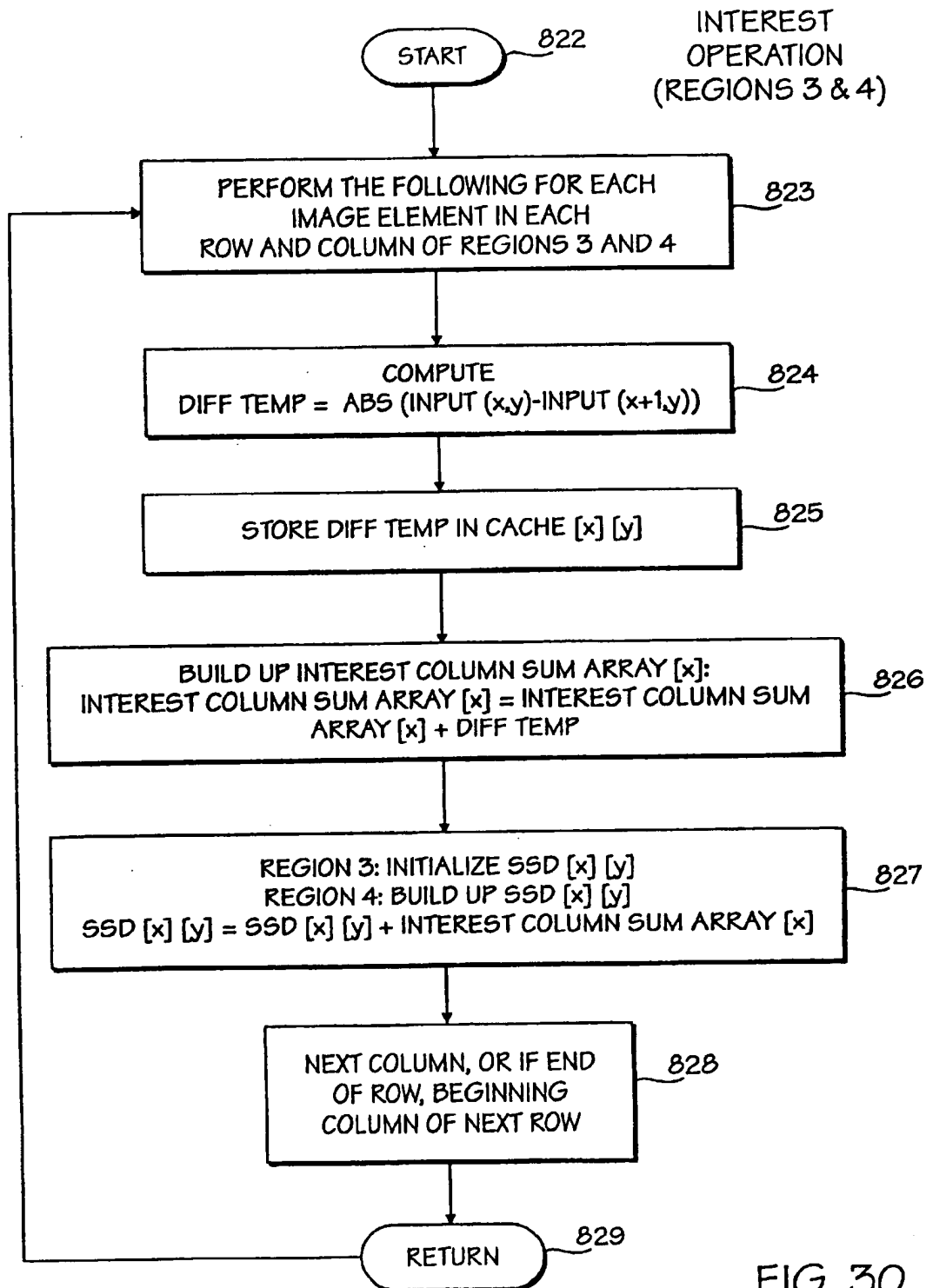


FIG. 30

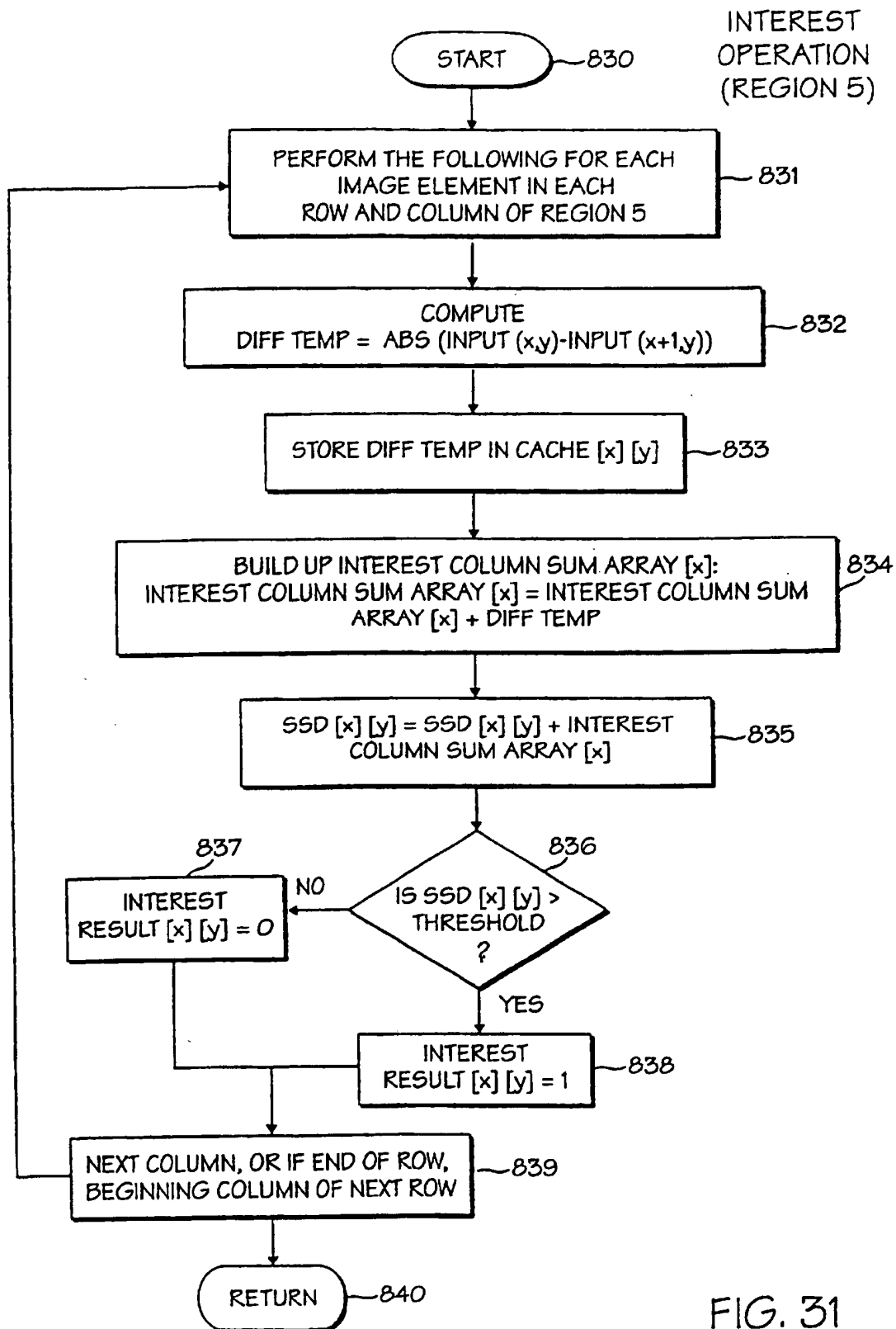


FIG. 31

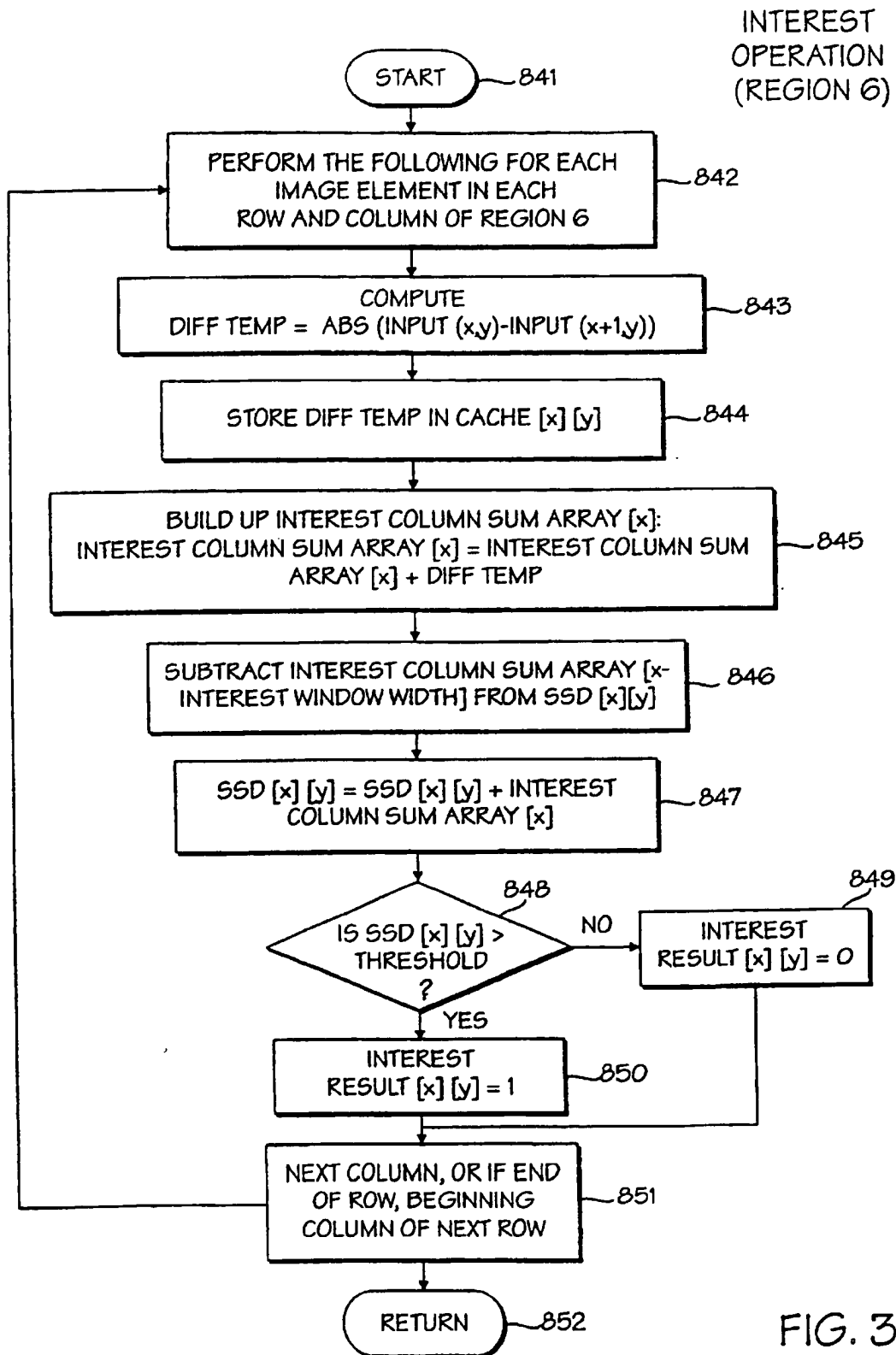


FIG. 32

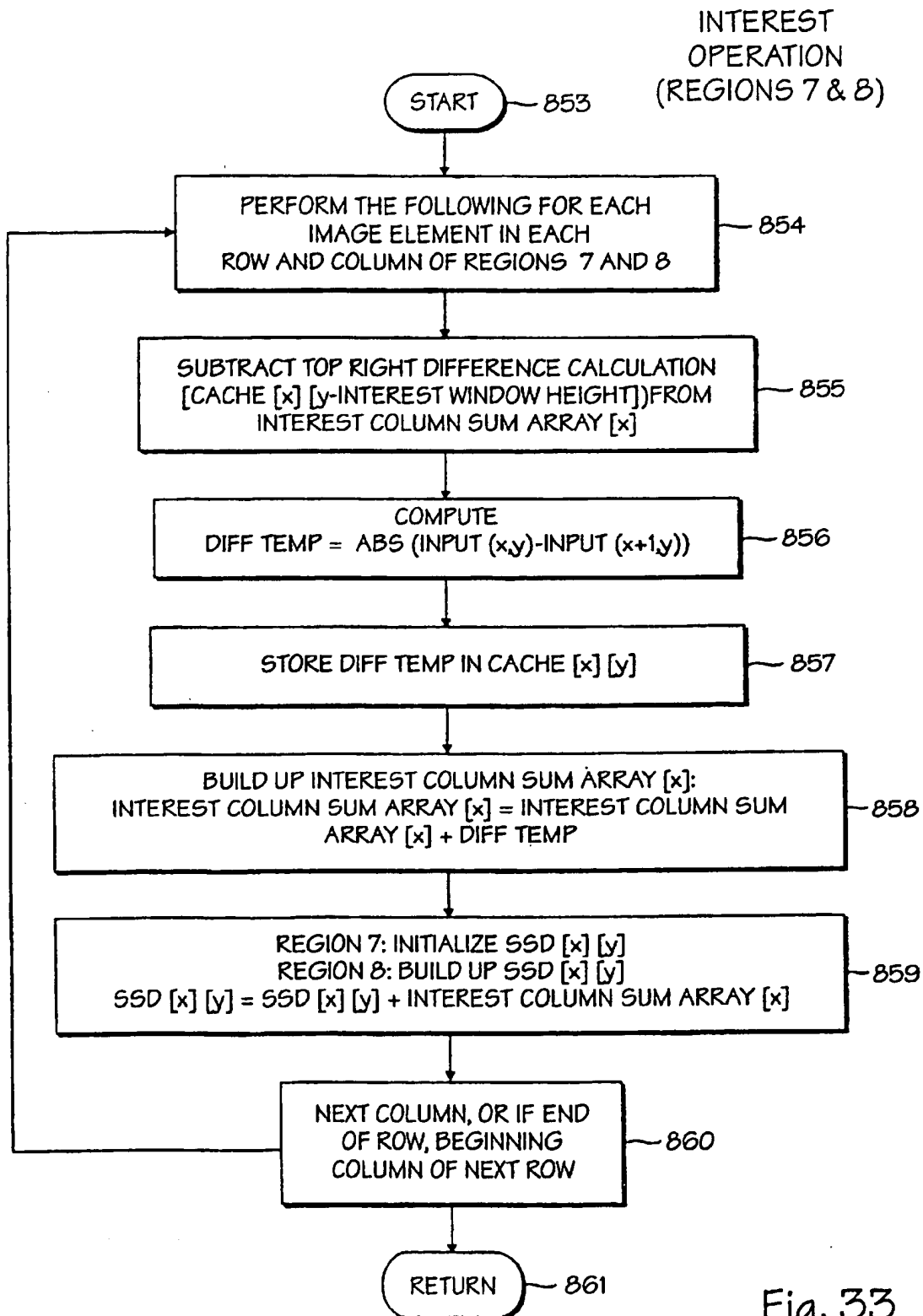


Fig. 33

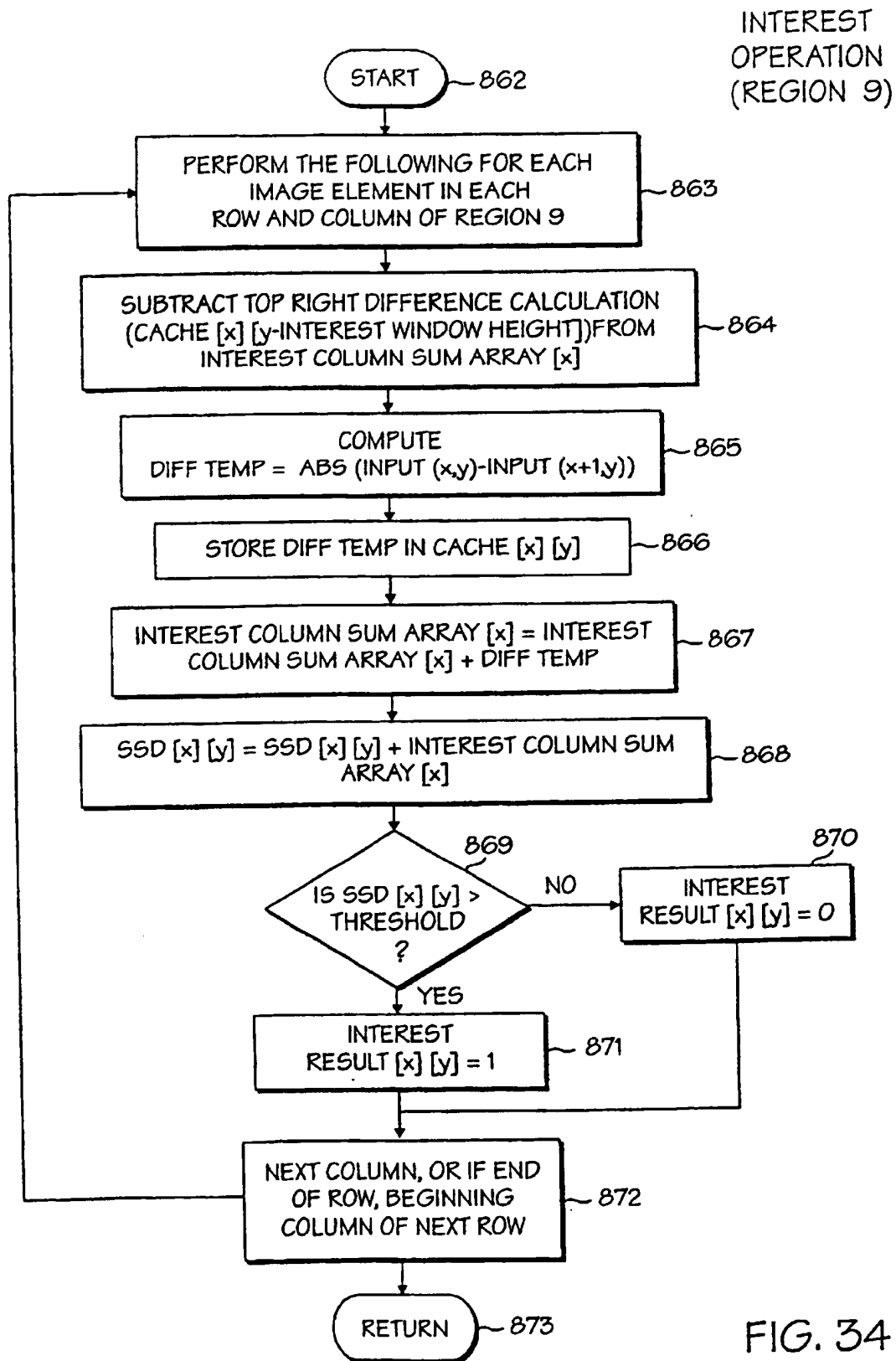


FIG. 34

INTEREST
OPERATION
(REGION 10)

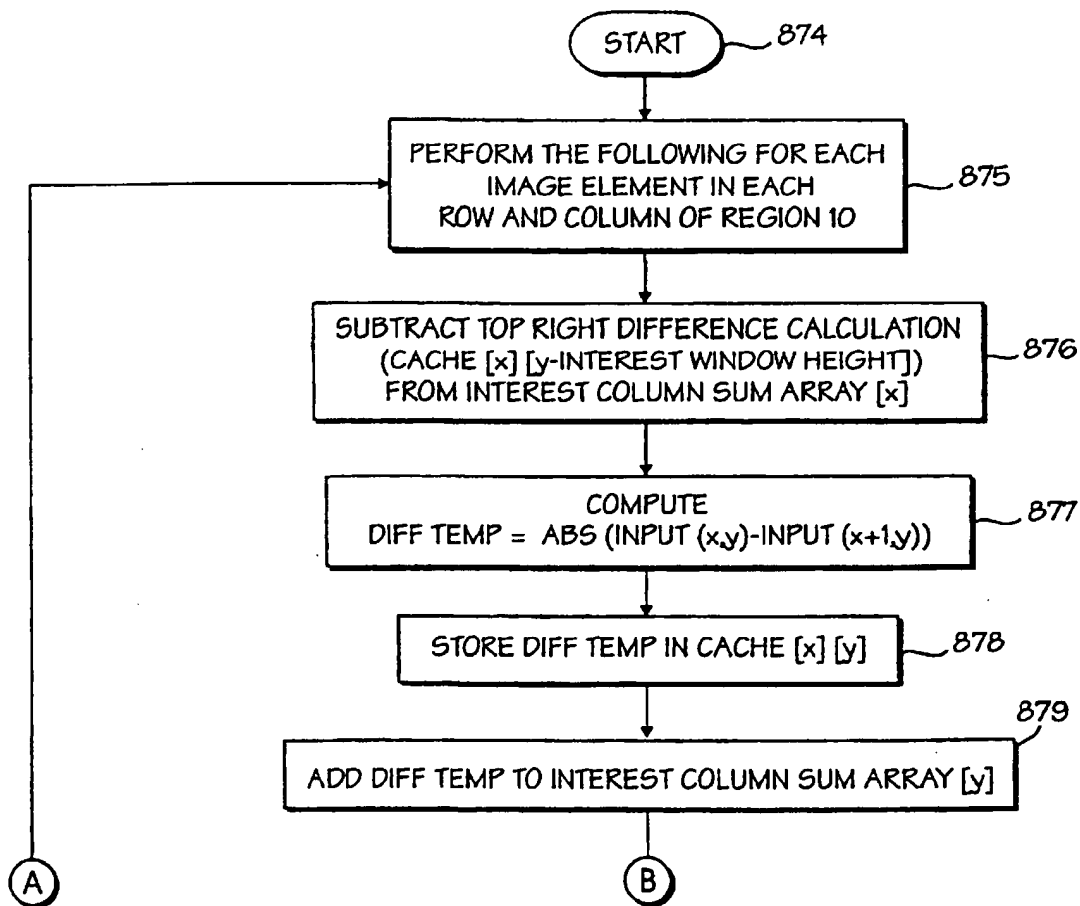


Fig. 35(A)

INTEREST
OPERATION
(REGION 10)

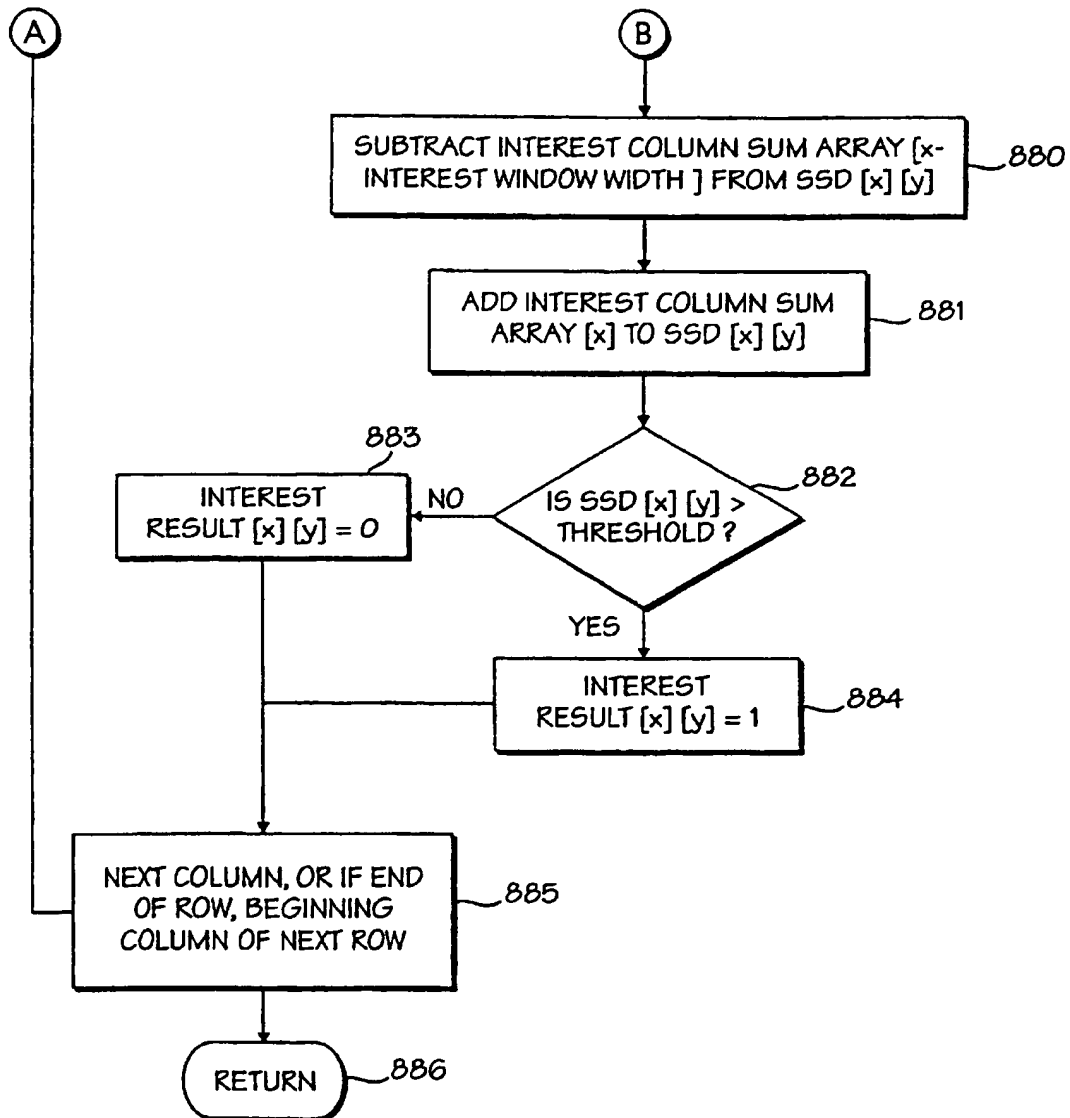


Fig. 35(B)

DATA PACKING

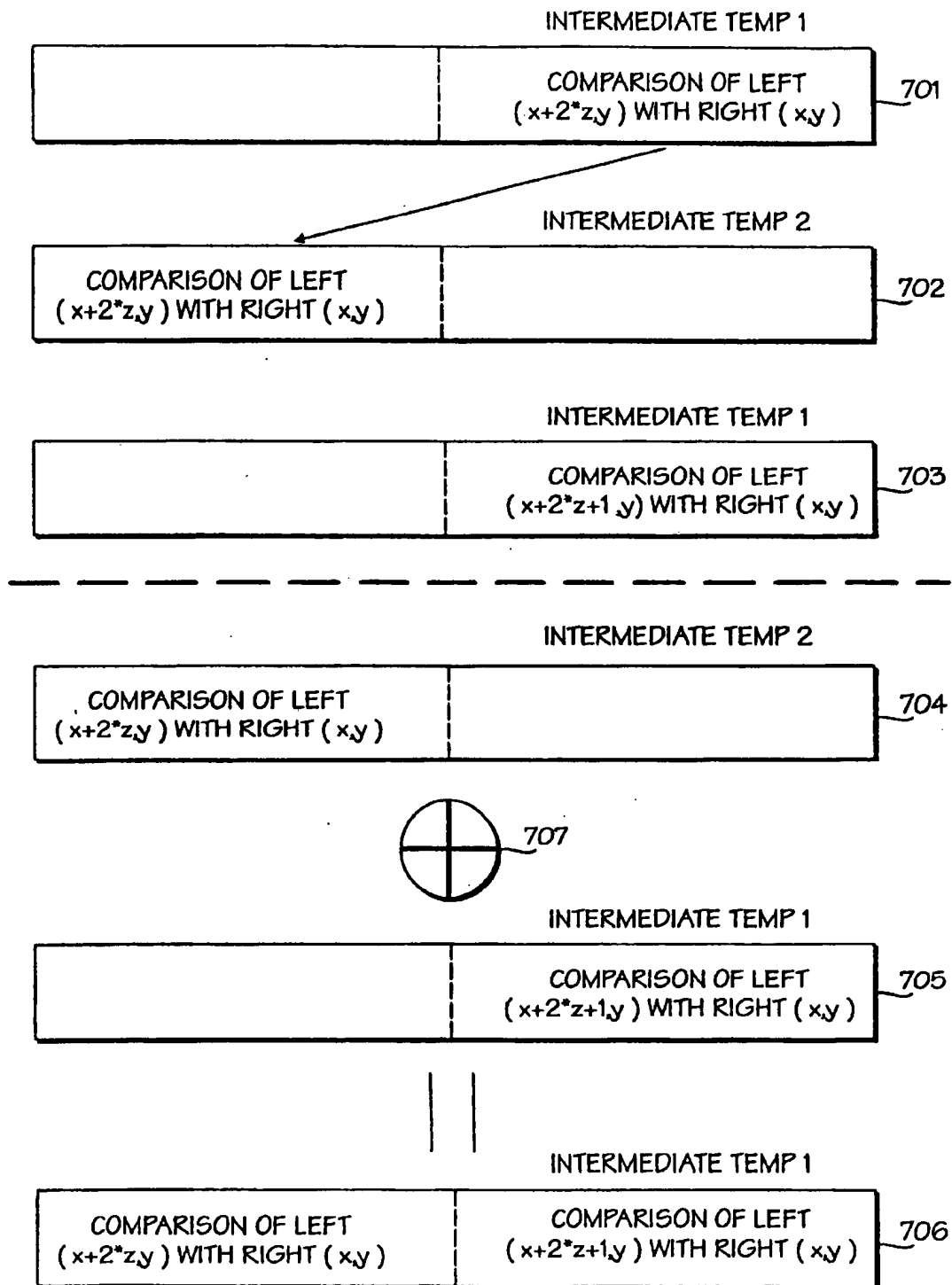


FIG. 36

LEFT - RIGHT CONSISTENCY CHECK

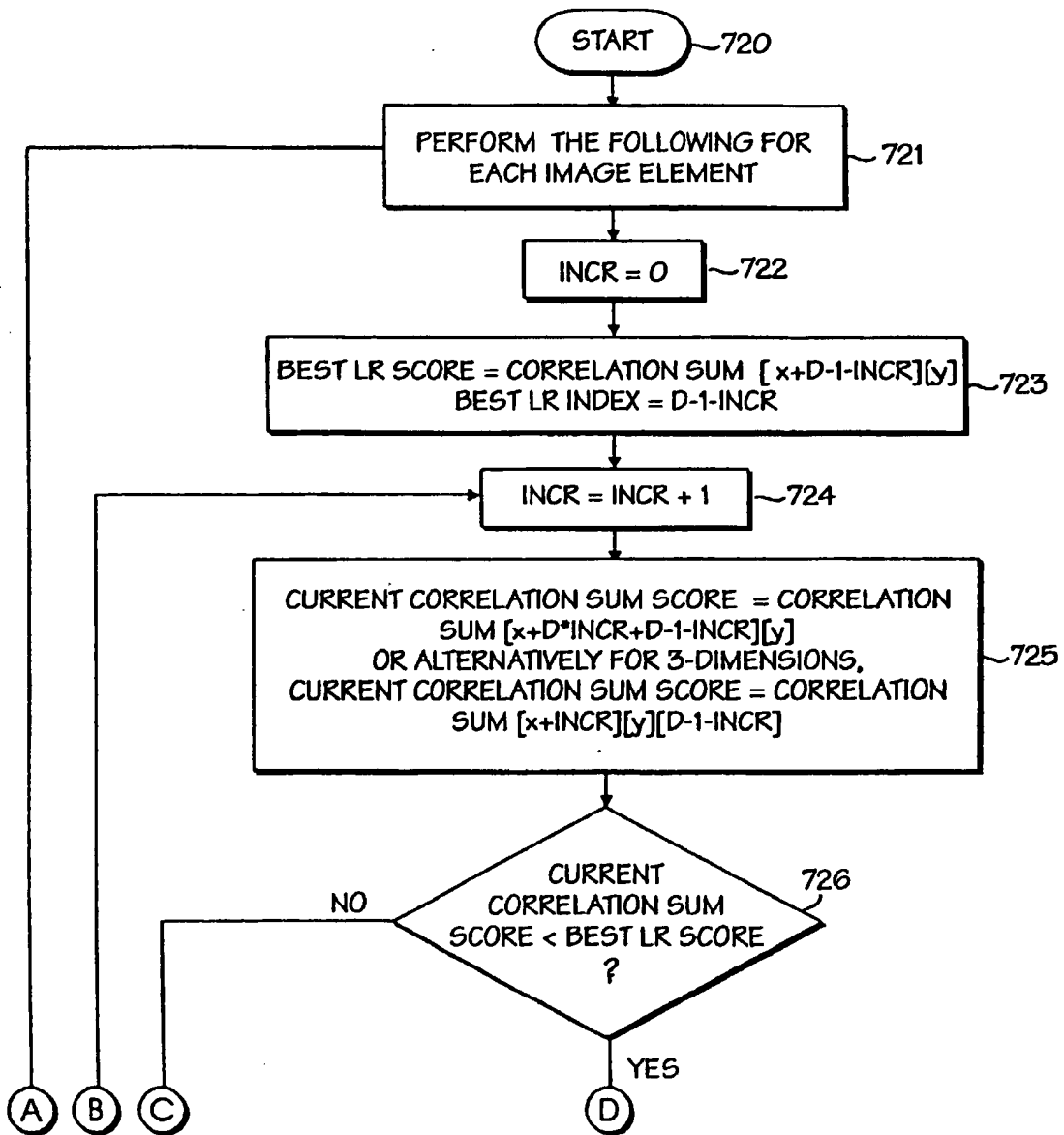


FIG. 37(A)

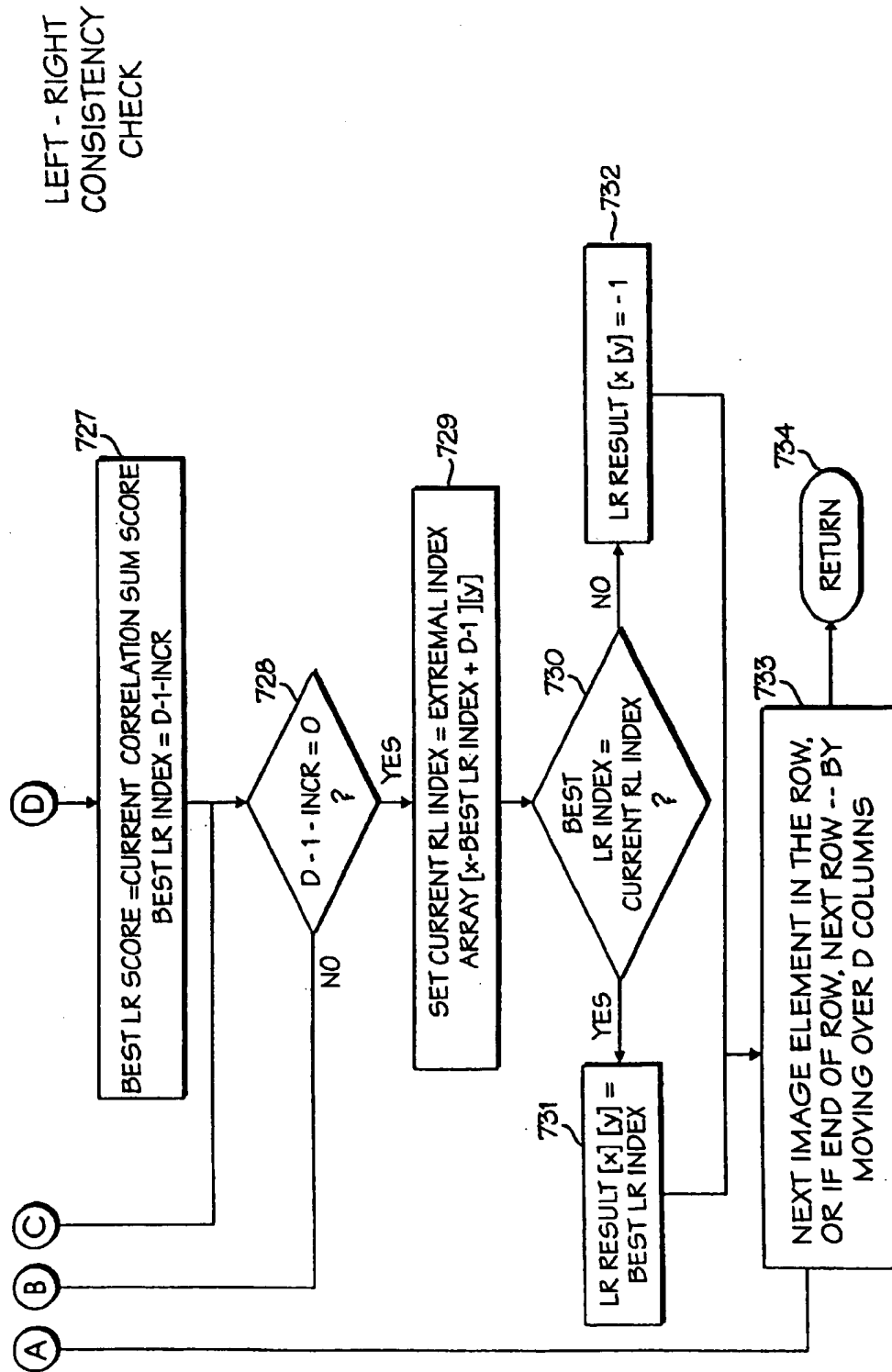
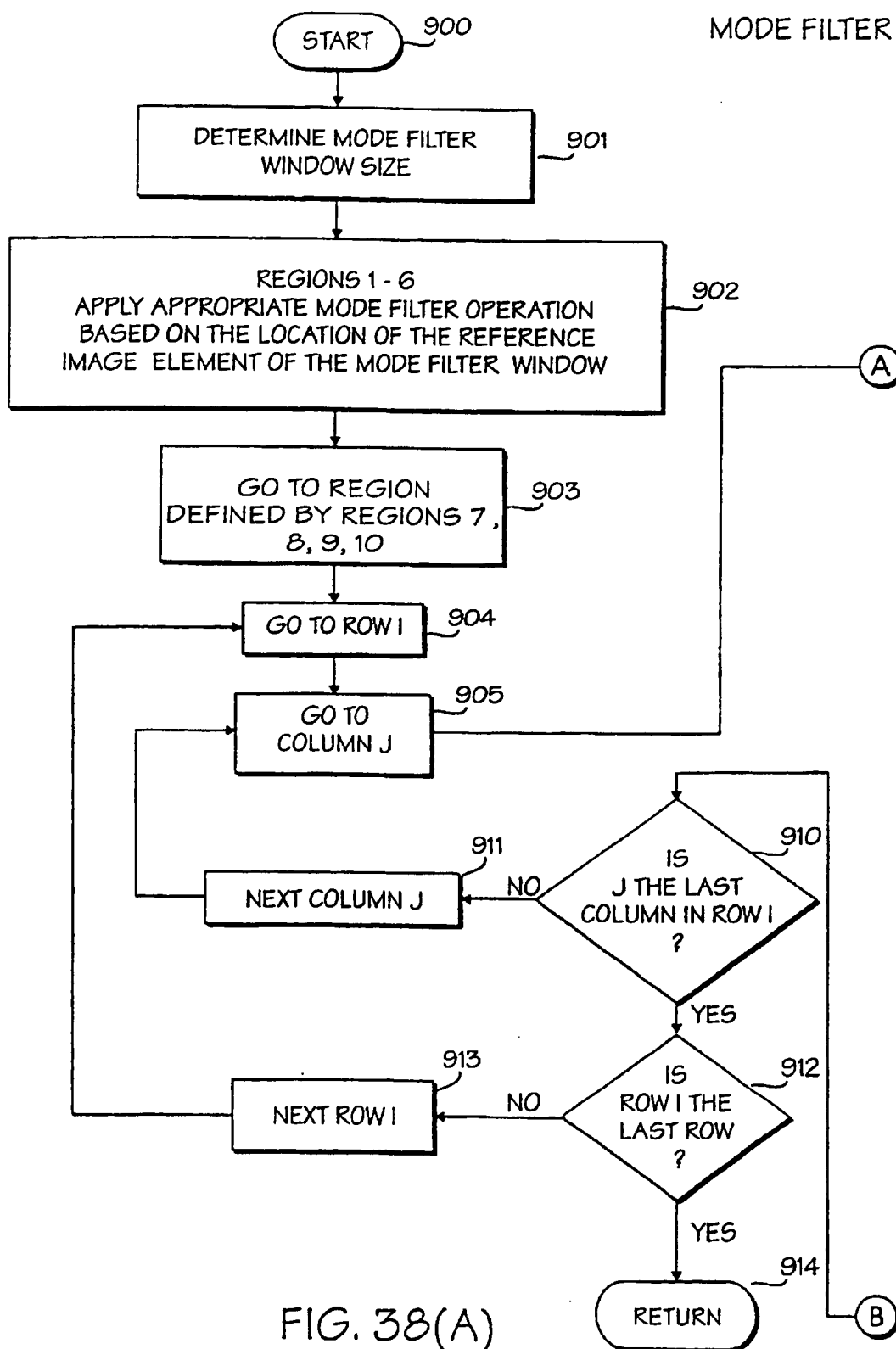


FIG. 37(B)



MODE FILTER

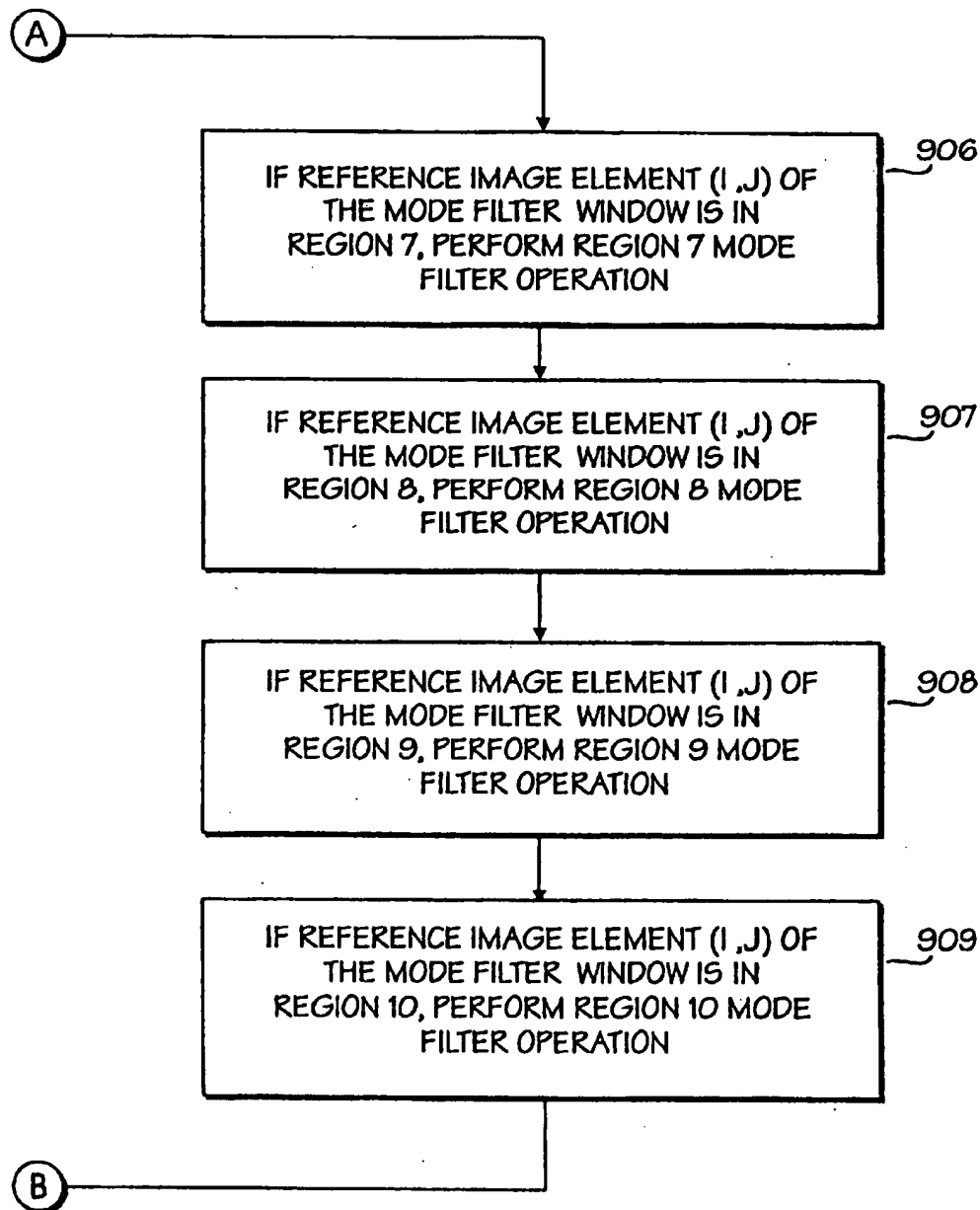


FIG. 38(B)

MODE FILTER (REGIONS 1 & 2)

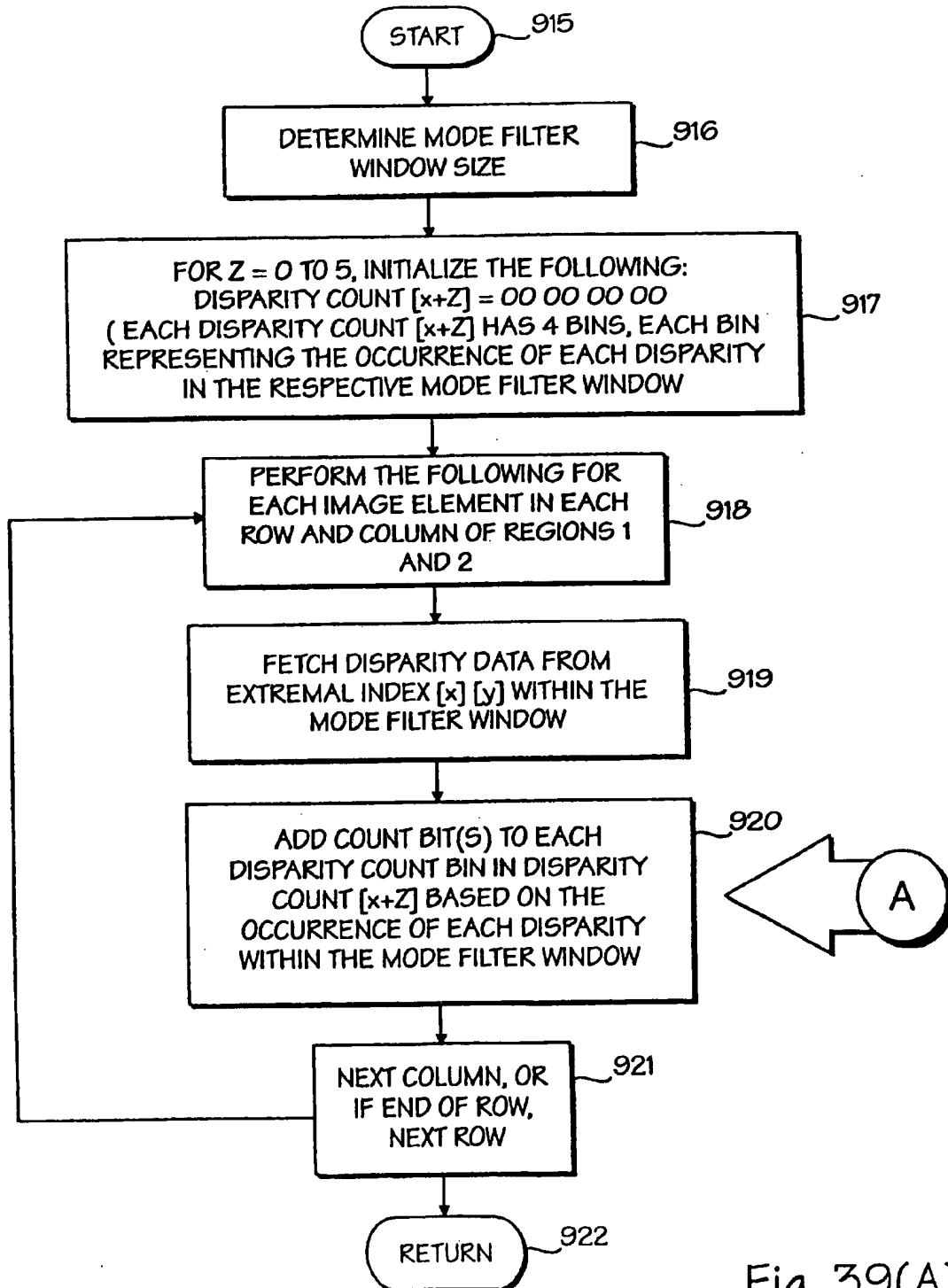


Fig. 39(A)

MODE FILTER
 (REGIONS 1 & 2)

923

<u>DISP</u>	<u>DISPARITY COUNT [x+Z]</u>
0	[x] 00 00 00 00
1	[x] 00 00 00 00
2	[x] 00 00 00 00
3	[x] 00 00 00 00
4	[x+1] 00 00 00 00
5	[x+1] 00 00 00 00
6	[x+1] 00 00 00 00
7	[x+1] 00 00 00 00
8	[x+2] 00 00 00 00
9	[x+2] 00 00 00 00
10	[x+2] 00 00 00 00
11	[x+2] 00 00 00 00
12	[x+3] 00 00 00 00
13	[x+3] 00 00 00 00
14	[x+3] 00 00 00 00
15	[x+3] 00 00 00 00
16	[x+4] 00 00 00 00
17	[x+4] 00 00 00 00
18	[x+4] 00 00 00 00
19	[x+4] 00 00 00 00
20	[x+5] 00 00 00 00
21	[x+5] 00 00 00 00
22	[x+5] 00 00 00 00
23	[x+5] 00 00 00 00

A

Fig. 39(B)

MODE FILTER (REGIONS 3 & 4)

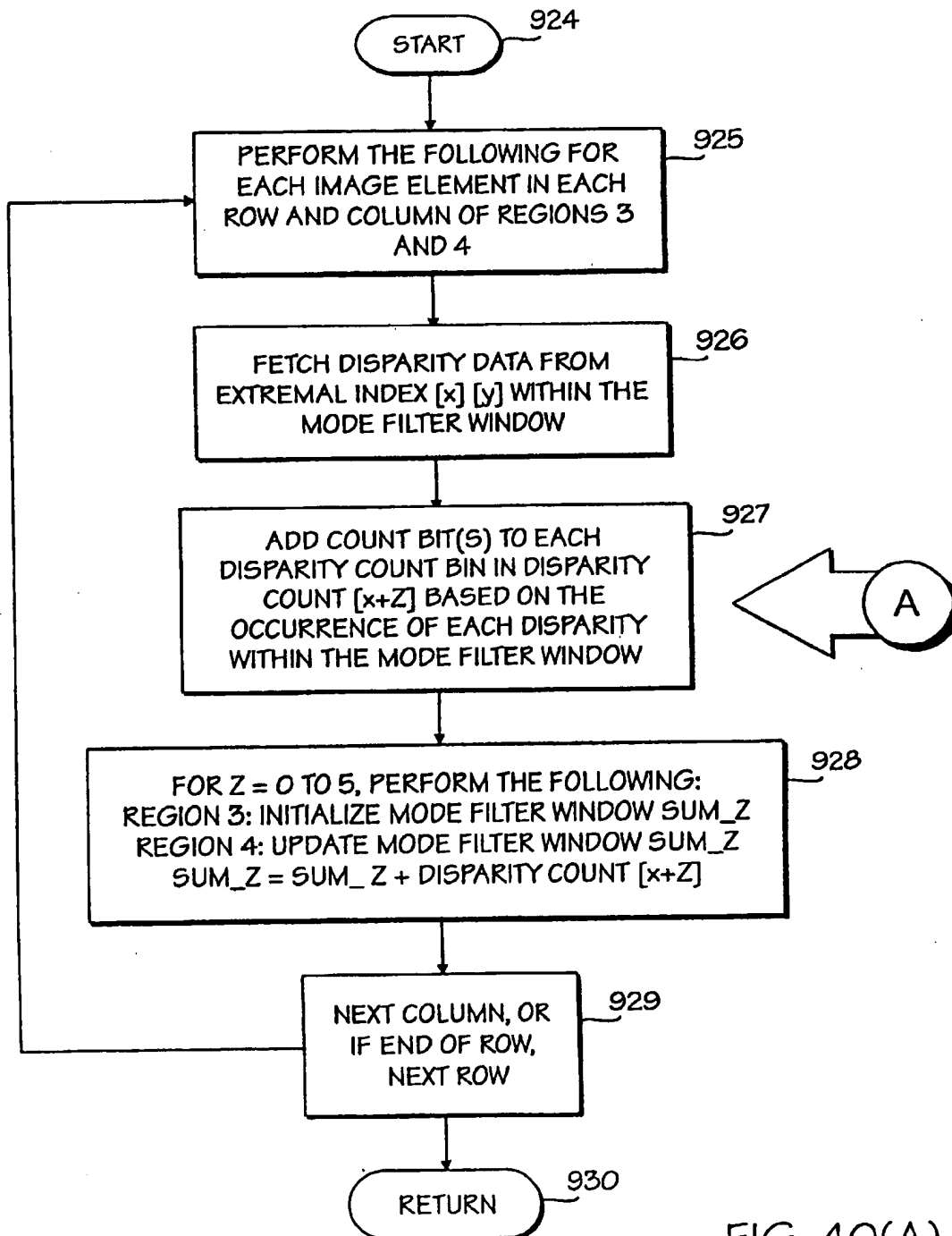


FIG. 40(A)

MODE FILTER
 (REGIONS 3 & 4)

931

<u>DISP</u>		<u>DISPARITY COUNT [x+Z]</u>
0	[x]	00 00 00 00
1	[x]	00 00 00 00
2	[x]	00 00 00 00
3	[x]	00 00 00 00
4	[x+1]	00 00 00 00
5	[x+1]	00 00 00 00
6	[x+1]	00 00 00 00
7	[x+1]	00 00 00 00
8	[x+2]	00 00 00 00
9	[x+2]	00 00 00 00
10	[x+2]	00 00 00 00
11	[x+2]	00 00 00 00
12	[x+3]	00 00 00 00
13	[x+3]	00 00 00 00
14	[x+3]	00 00 00 00
15	[x+3]	00 00 00 00
16	[x+4]	00 00 00 00
17	[x+4]	00 00 00 00
18	[x+4]	00 00 00 00
19	[x+4]	00 00 00 00
20	[x+5]	00 00 00 00
21	[x+5]	00 00 00 00
22	[x+5]	00 00 00 00
23	[x+5]	00 00 00 00

A

FIG. 40(B)

MODE FILTER
 (REGION 5)

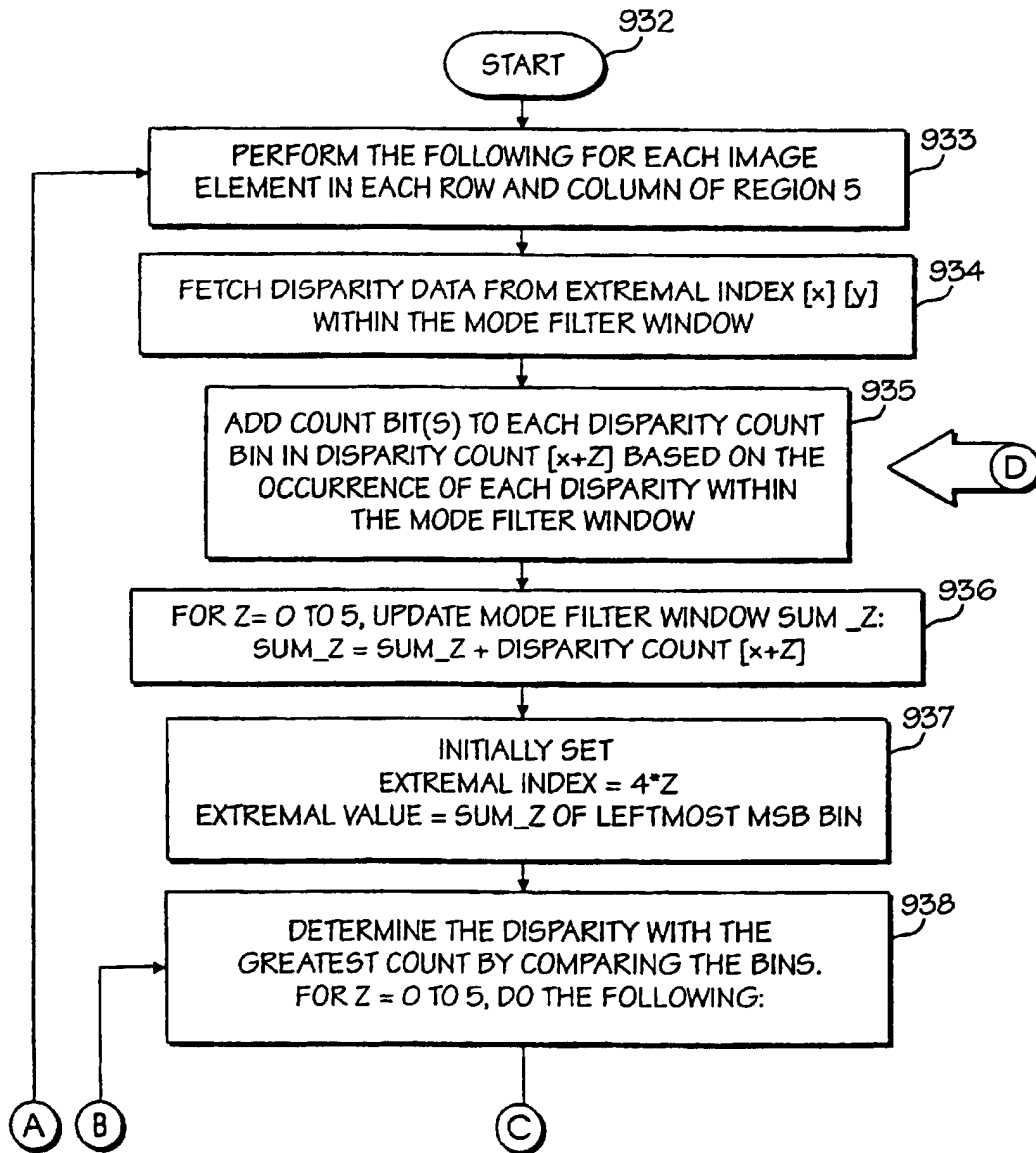


FIG. 41(A)

MODE FILTER
 (REGION 5)

951

<u>DISP</u>	<u>DISPARITY COUNT [x+Z]</u>
0	[x] 00 00 00 00
1	[x] 00 00 00 00
2	[x] 00 00 00 00
3	[x] 00 00 00 00
4	[x+1] 00 00 00 00
5	[x+1] 00 00 00 00
6	[x+1] 00 00 00 00
7	[x+1] 00 00 00 00
8	[x+2] 00 00 00 00
9	[x+2] 00 00 00 00
10	[x+2] 00 00 00 00
11	[x+2] 00 00 00 00
12	[x+3] 00 00 00 00
13	[x+3] 00 00 00 00
14	[x+3] 00 00 00 00
15	[x+3] 00 00 00 00
16	[x+4] 00 00 00 00
17	[x+4] 00 00 00 00
18	[x+4] 00 00 00 00
19	[x+4] 00 00 00 00
20	[x+5] 00 00 00 00
21	[x+5] 00 00 00 00
22	[x+5] 00 00 00 00
23	[x+5] 00 00 00 00

D

FIG. 41(B)

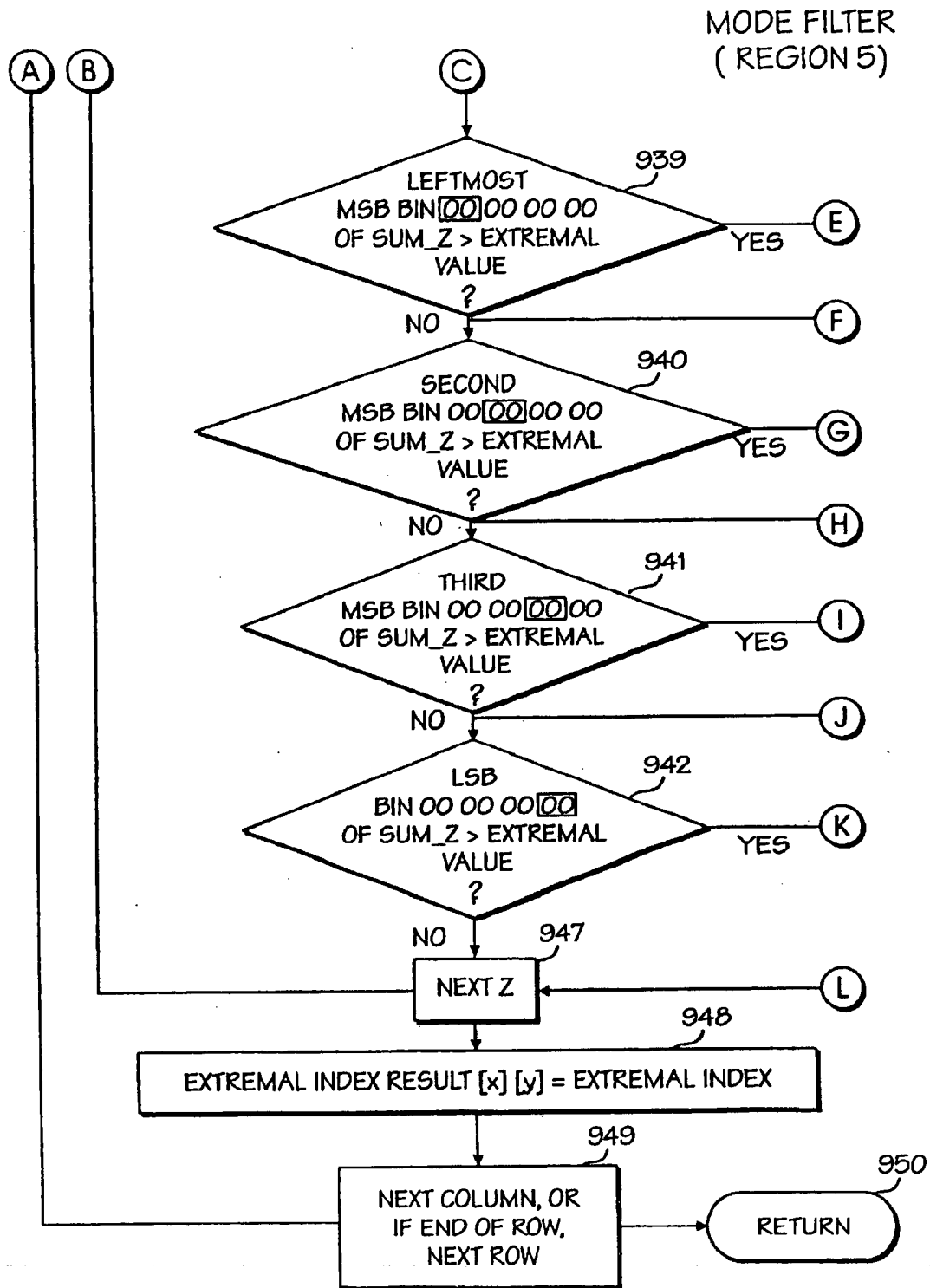


FIG. 41(C)

MODE FILTER
 (REGION 5)

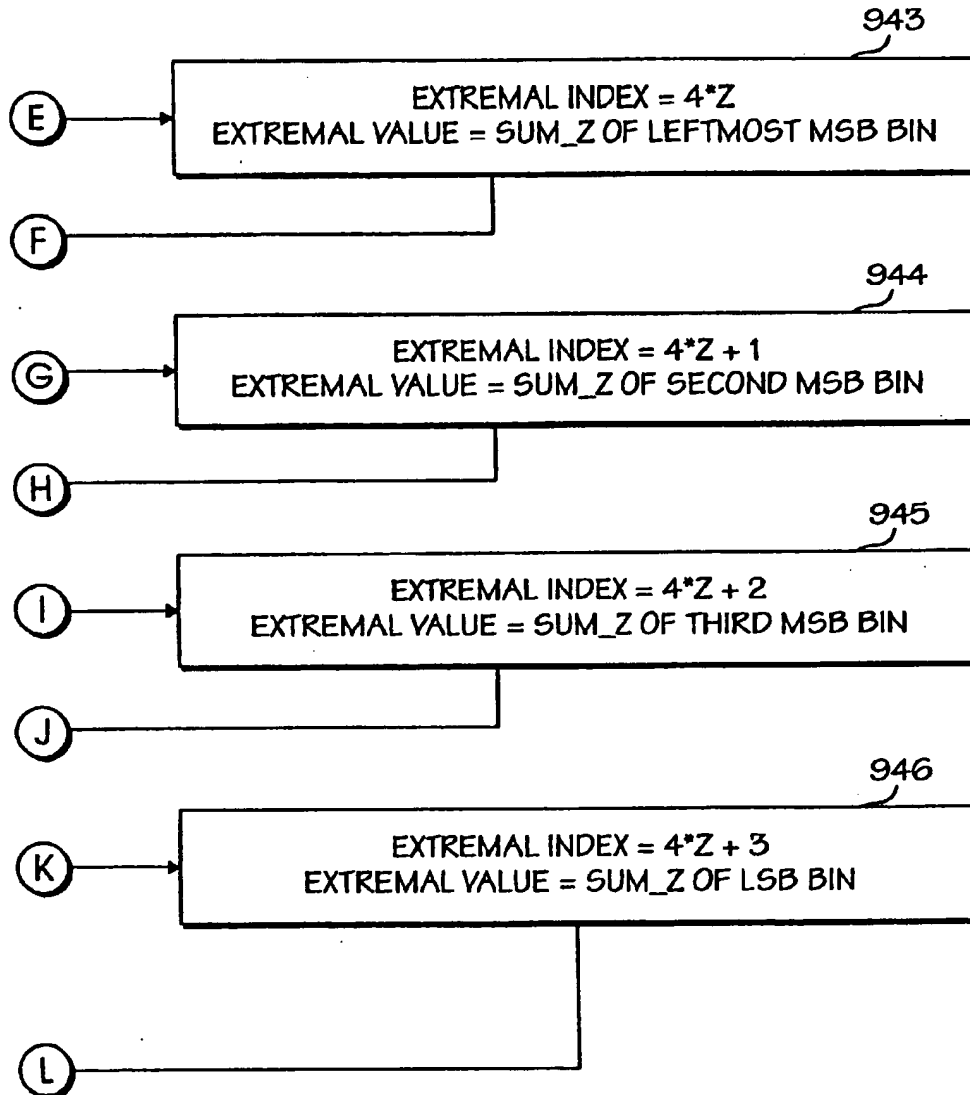


FIG. 41(D)



FIG. 42(A)

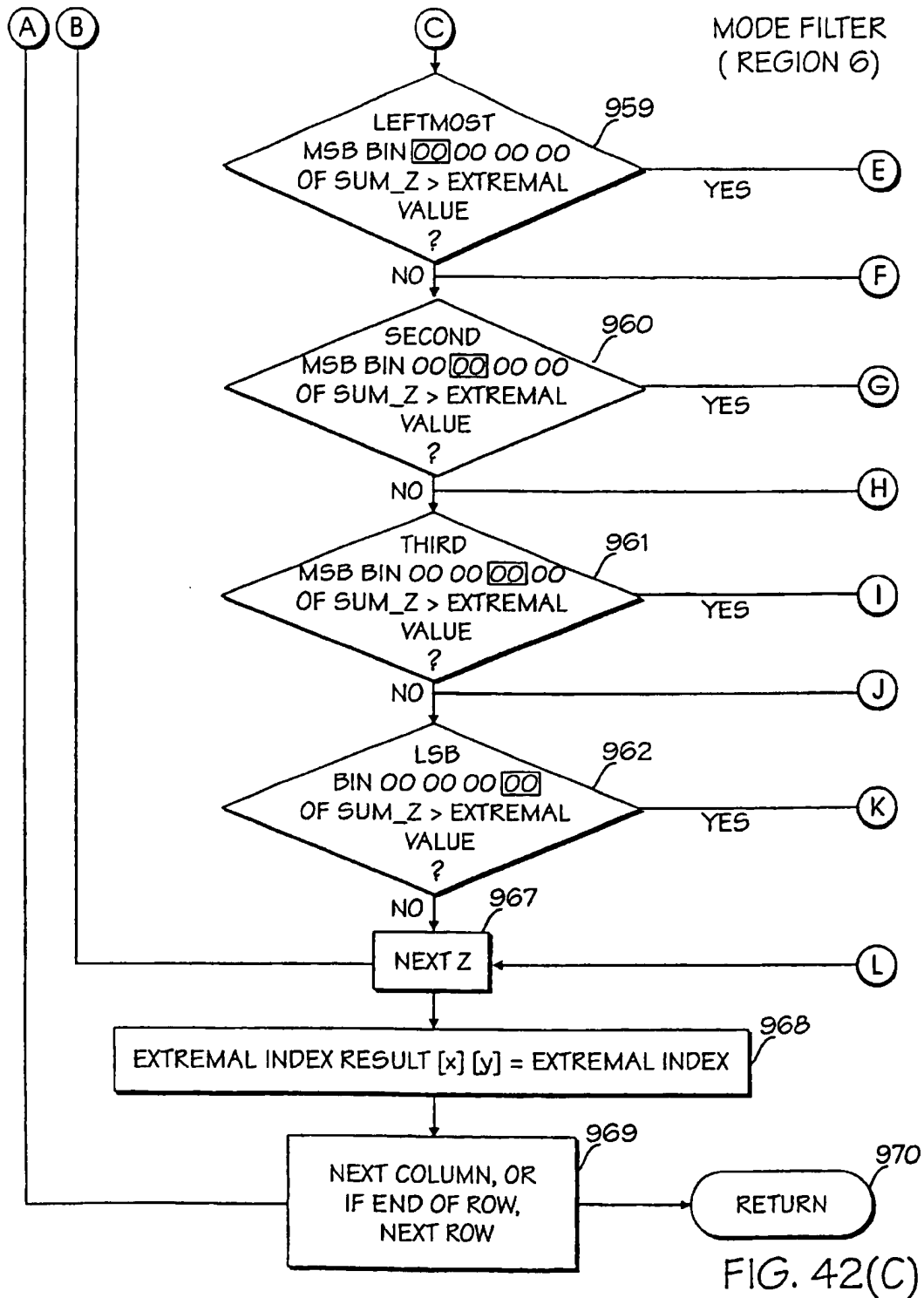
MODE FILTER
 (REGION 6)

DISP	DISPARITY COUNT [x+Z]
0	[x] 00 00 00 00
1	[x] 00 00 00 00
2	[x] 00 00 00 00
3	[x] 00 00 00 00
4	[x+1] 00 00 00 00
5	[x+1] 00 00 00 00
6	[x+1] 00 00 00 00
7	[x+1] 00 00 00 00
8	[x+2] 00 00 00 00
9	[x+2] 00 00 00 00
10	[x+2] 00 00 00 00
11	[x+2] 00 00 00 00
12	[x+3] 00 00 00 00
13	[x+3] 00 00 00 00
14	[x+3] 00 00 00 00
15	[x+3] 00 00 00 00
16	[x+4] 00 00 00 00
17	[x+4] 00 00 00 00
18	[x+4] 00 00 00 00
19	[x+4] 00 00 00 00
20	[x+5] 00 00 00 00
21	[x+5] 00 00 00 00
22	[x+5] 00 00 00 00
23	[x+5] 00 00 00 00

971

D

FIG. 42(B)



MODE FILTER
(REGION 6)

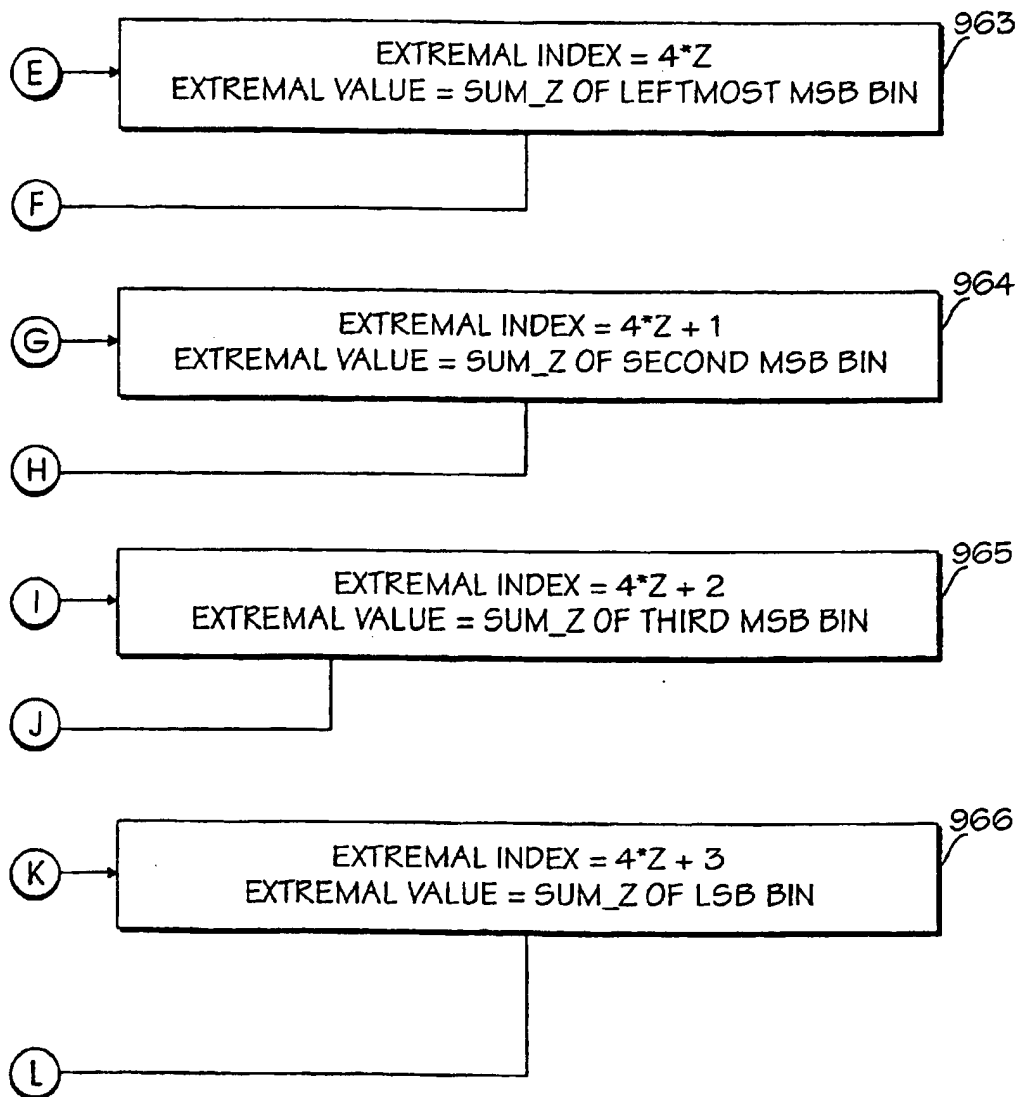


FIG. 42(D)

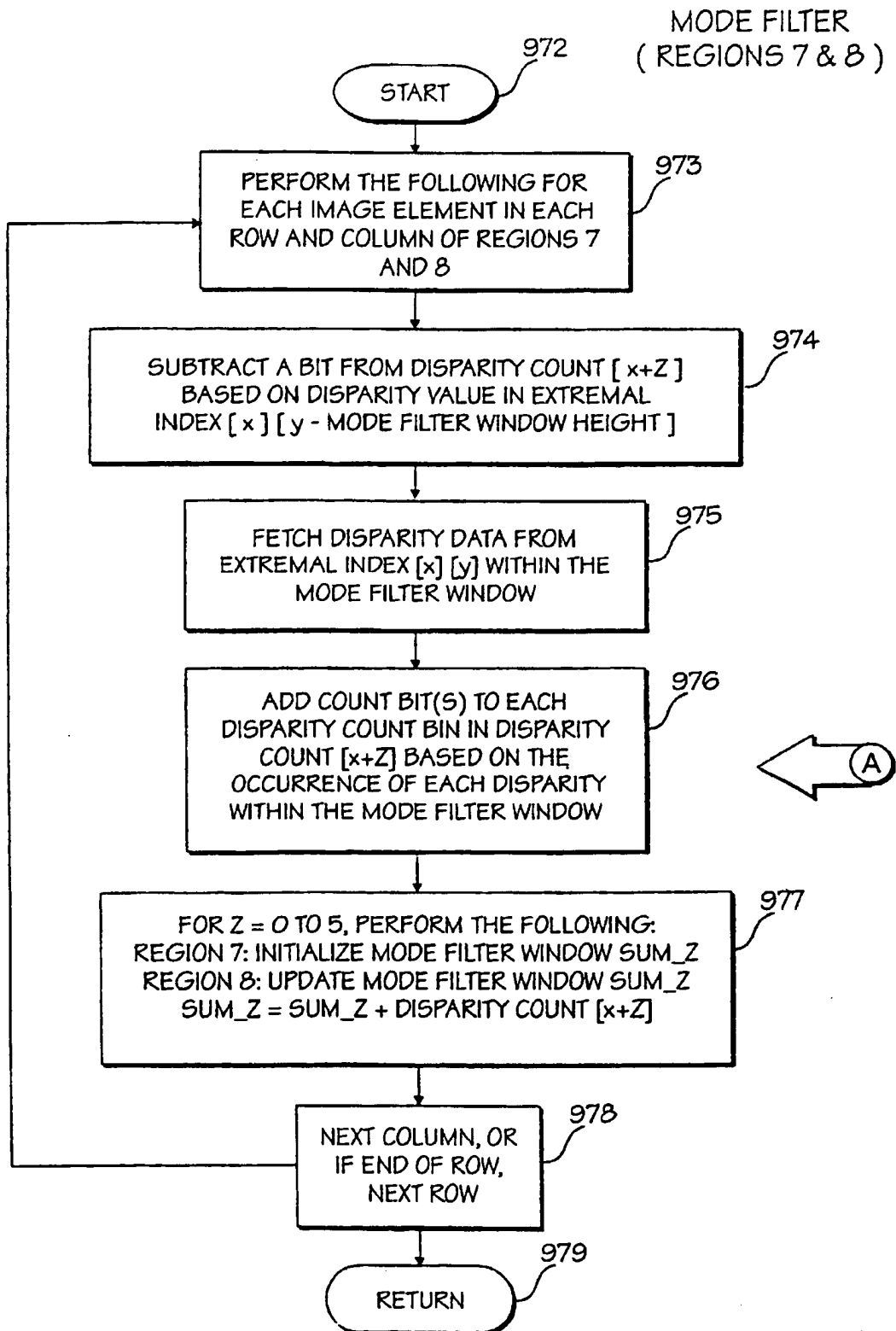


FIG. 43(A)

MODE FILTER
 (REGIONS 7 & 8)

980

<u>DISP</u>	<u>DISPARITY COUNT [x+Z]</u>
0	[x] 00 00 00 00
1	[x] 00 00 00 00
2	[x] 00 00 00 00
3	[x] 00 00 00 00
4	[x+1] 00 00 00 00
5	[x+1] 00 00 00 00
6	[x+1] 00 00 00 00
7	[x+1] 00 00 00 00
8	[x+2] 00 00 00 00
9	[x+2] 00 00 00 00
10	[x+2] 00 00 00 00
11	[x+2] 00 00 00 00
12	[x+3] 00 00 00 00
13	[x+3] 00 00 00 00
14	[x+3] 00 00 00 00
15	[x+3] 00 00 00 00
16	[x+4] 00 00 00 00
17	[x+4] 00 00 00 00
18	[x+4] 00 00 00 00
19	[x+4] 00 00 00 00
20	[x+5] 00 00 00 00
21	[x+5] 00 00 00 00
22	[x+5] 00 00 00 00
23	[x+5] 00 00 00 00

A

FIG. 43(B)

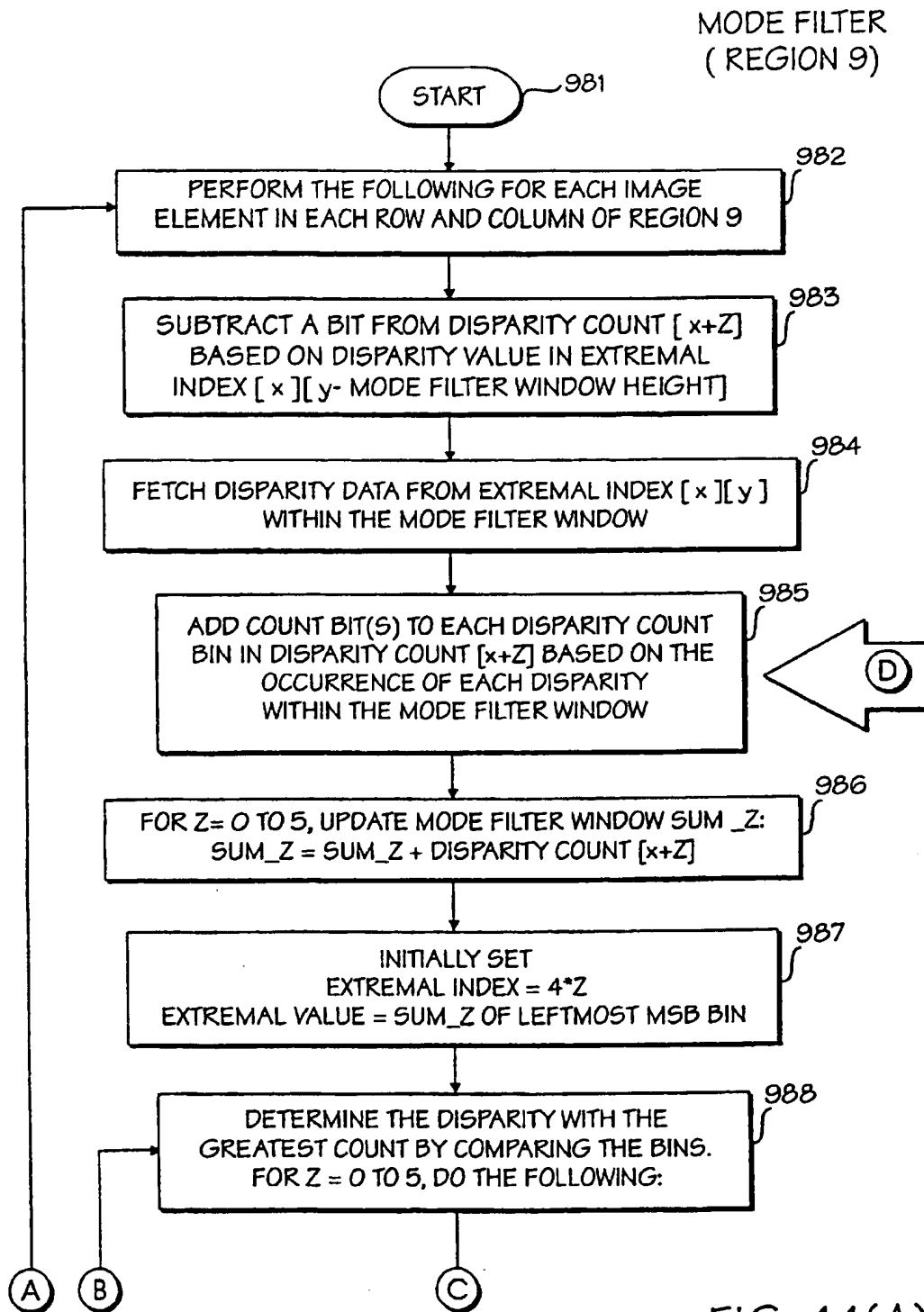


FIG. 44(A)

MODE FILTER
 (REGION 9)

(D)

DISP	DISPARITY COUNT [x+Z]
0	[x] 00 00 00 00
1	[x] 00 00 00 00
2	[x] 00 00 00 00
3	[x] 00 00 00 00
4	[x+1] 00 00 00 00
5	[x+1] 00 00 00 00
6	[x+1] 00 00 00 00
7	[x+1] 00 00 00 00
8	[x+2] 00 00 00 00
9	[x+2] 00 00 00 00
10	[x+2] 00 00 00 00
11	[x+2] 00 00 00 00
12	[x+3] 00 00 00 00
13	[x+3] 00 00 00 00
14	[x+3] 00 00 00 00
15	[x+3] 00 00 00 00
16	[x+4] 00 00 00 00
17	[x+4] 00 00 00 00
18	[x+4] 00 00 00 00
19	[x+4] 00 00 00 00
20	[x+5] 00 00 00 00
21	[x+5] 00 00 00 00
22	[x+5] 00 00 00 00
23	[x+5] 00 00 00 00

1001

FIG. 44(B)

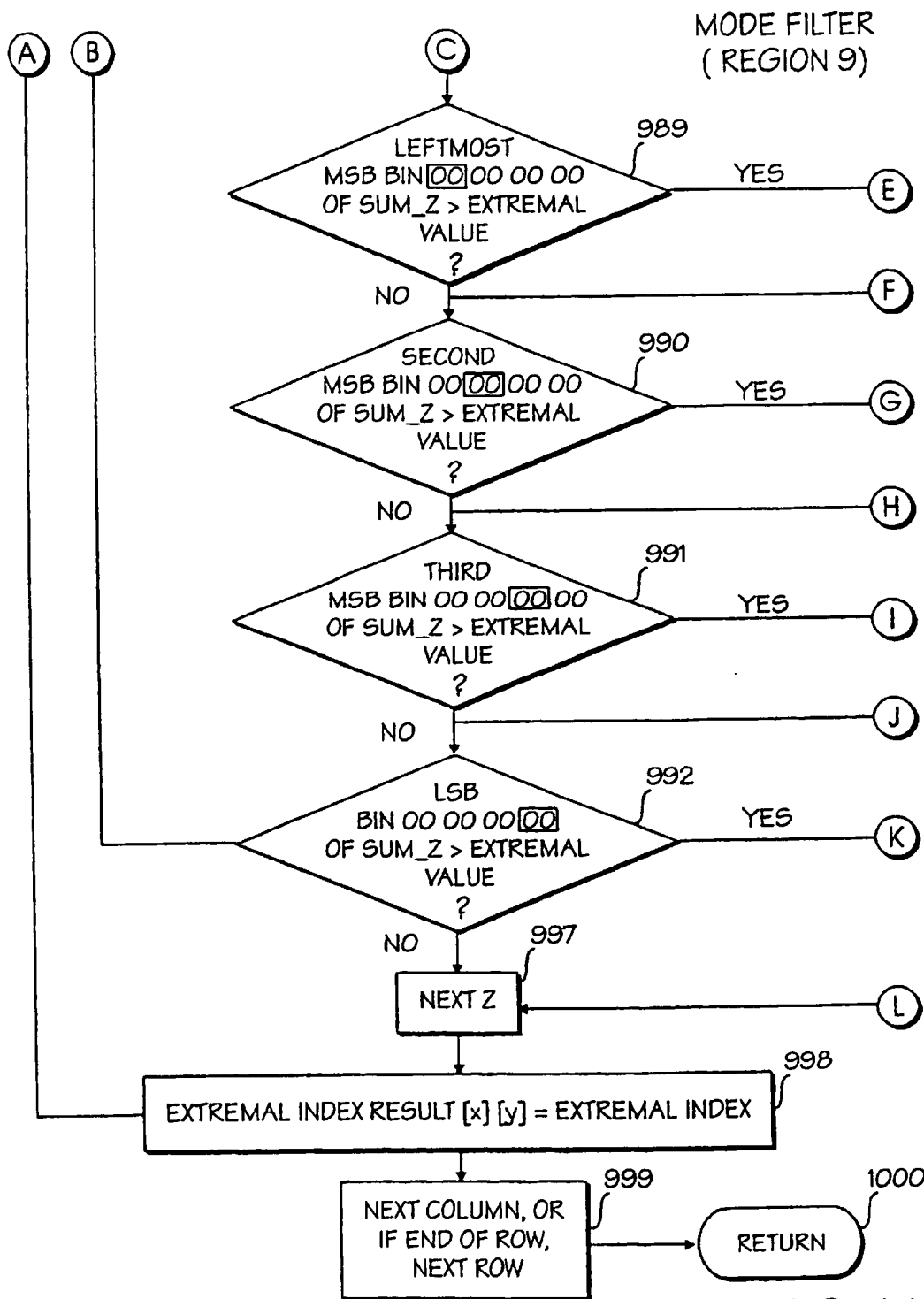


FIG. 44(C)

MODE FILTER
(REGION 9)

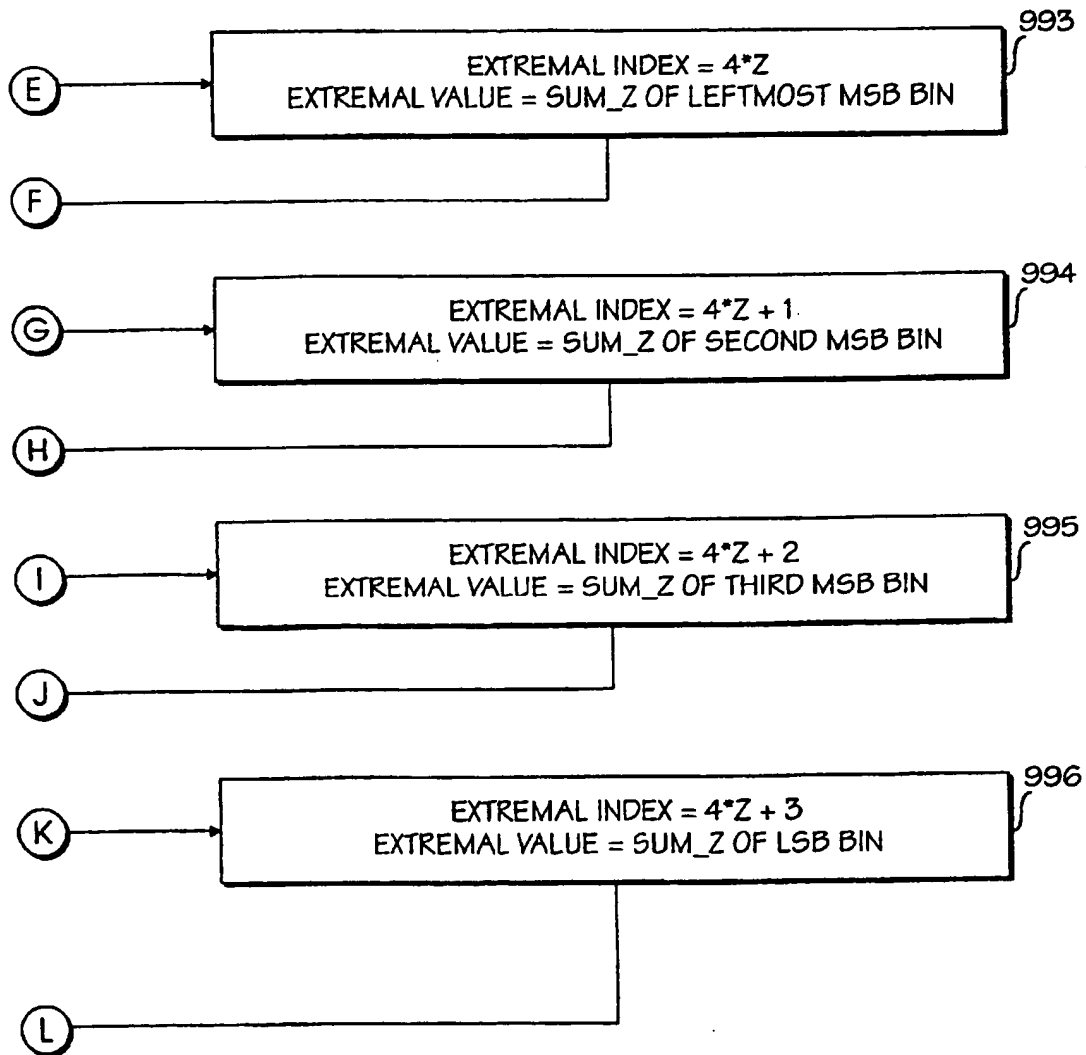


FIG. 44(D)

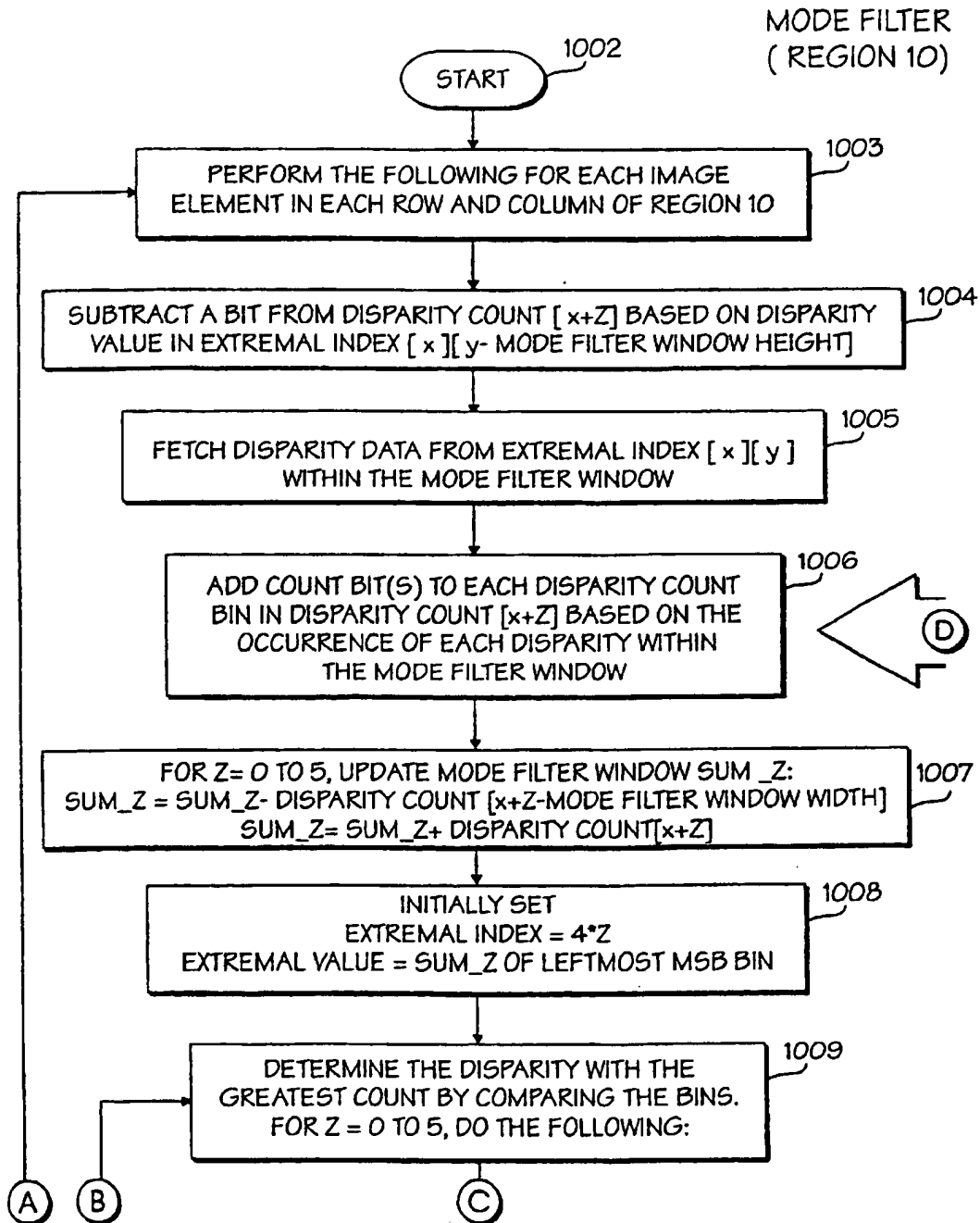


FIG. 45(A)

MODE FILTER
 (REGION 10)

(D)

DISP	DISPARITY COUNT [x+Z]	1022
0	[x] 00 00 00 00	
1	[x] 00 00 00 00	
2	[x] 00 00 00 00	
3	[x] 00 00 00 00	
4	[x+1] 00 00 00 00	
5	[x+1] 00 00 00 00	
6	[x+1] 00 00 00 00	
7	[x+1] 00 00 00 00	
8	[x+2] 00 00 00 00	
9	[x+2] 00 00 00 00	
10	[x+2] 00 00 00 00	
11	[x+2] 00 00 00 00	
12	[x+3] 00 00 00 00	
13	[x+3] 00 00 00 00	
14	[x+3] 00 00 00 00	
15	[x+3] 00 00 00 00	
16	[x+4] 00 00 00 00	
17	[x+4] 00 00 00 00	
18	[x+4] 00 00 00 00	
19	[x+4] 00 00 00 00	
20	[x+5] 00 00 00 00	
21	[x+5] 00 00 00 00	
22	[x+5] 00 00 00 00	
23	[x+5] 00 00 00 00	

FIG. 45(B)

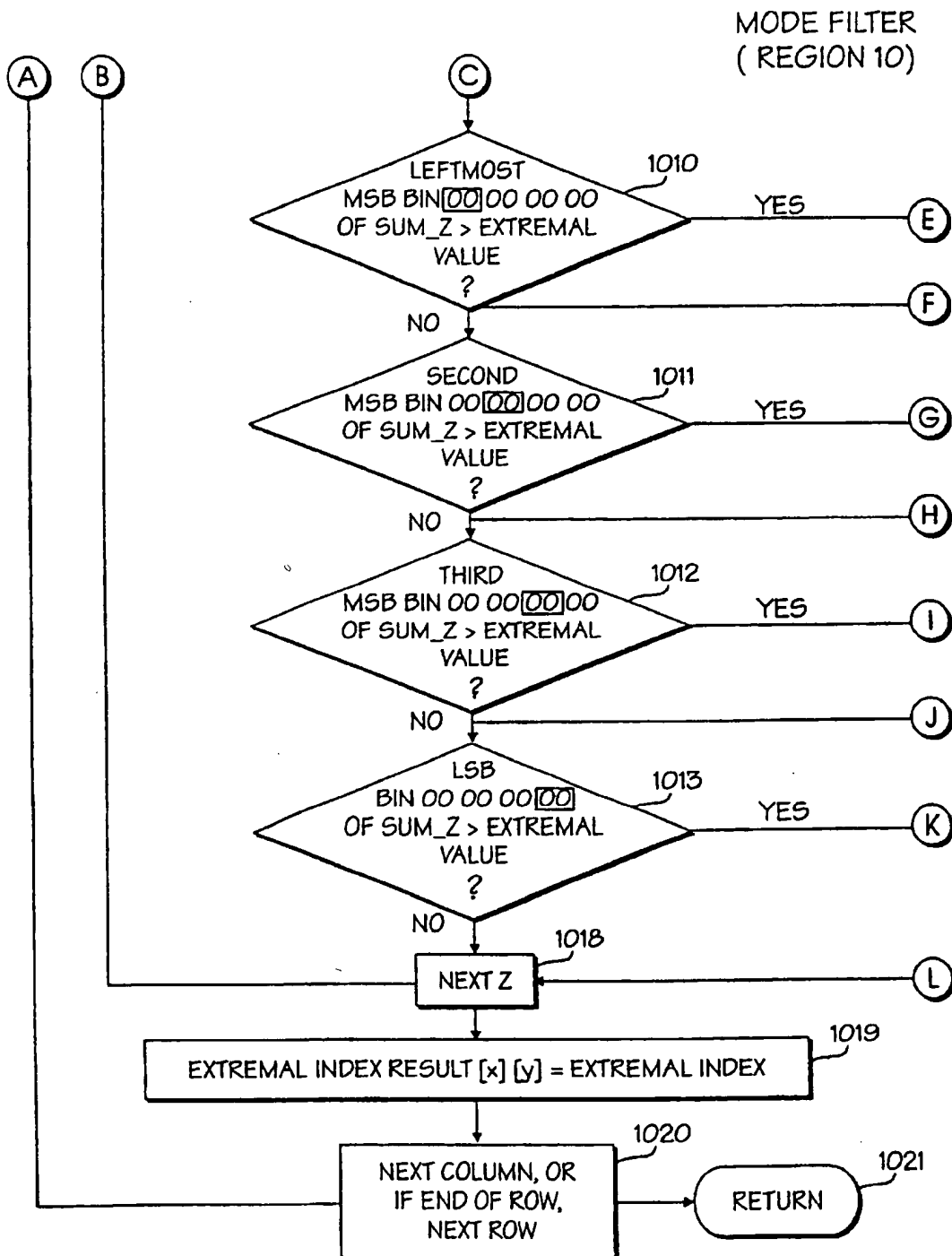


FIG. 45(C)

MODE FILTER
 (REGION 10)

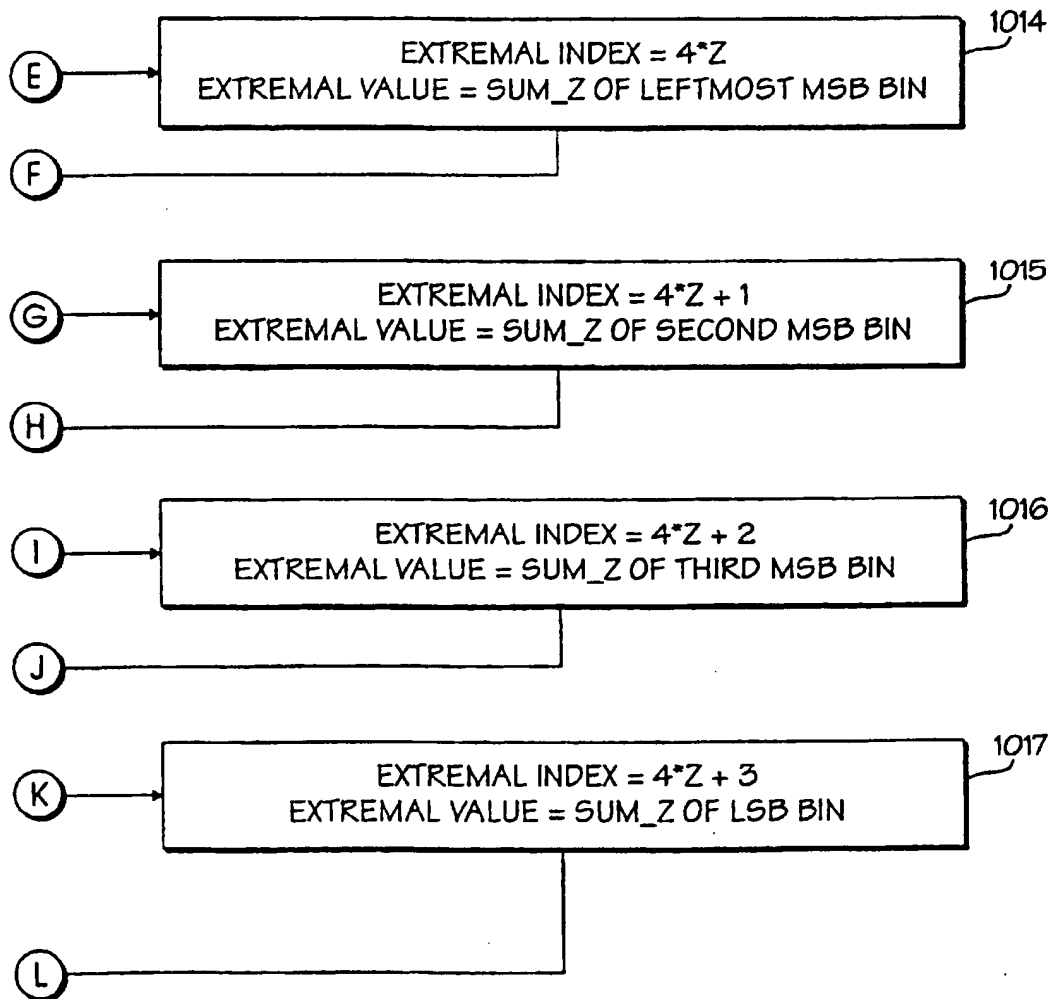


FIG. 45(D)

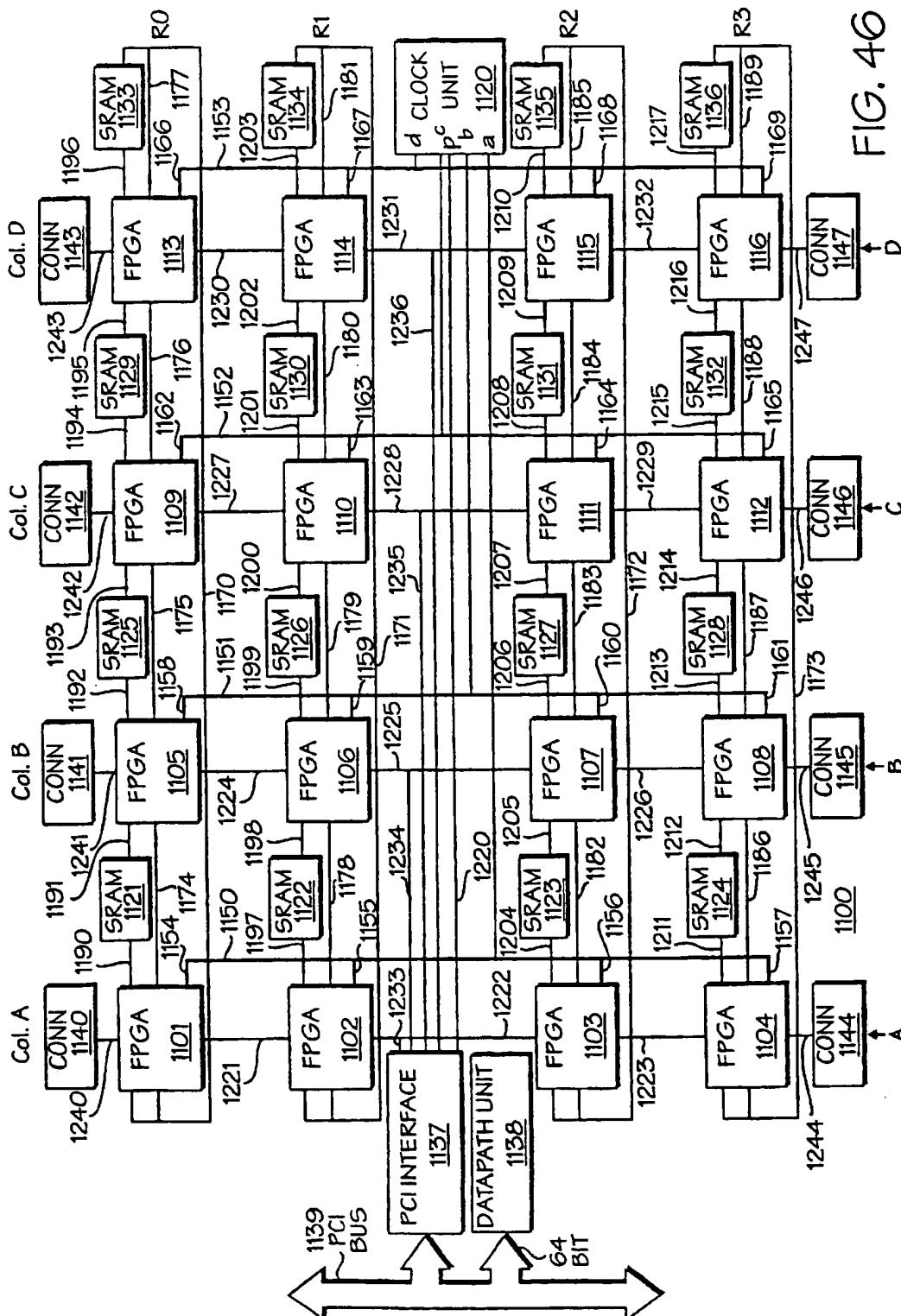


FIG. 46

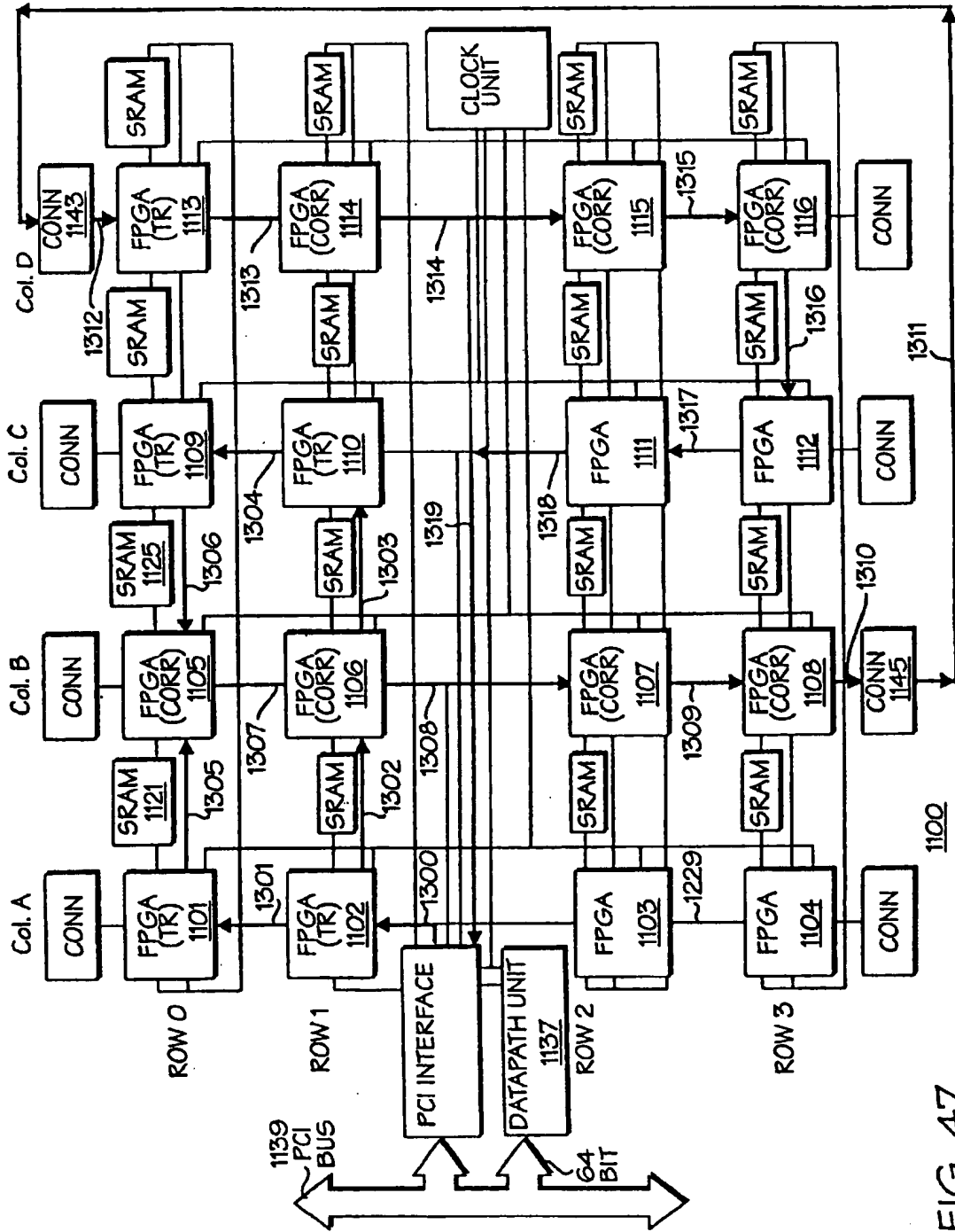


FIG. 47

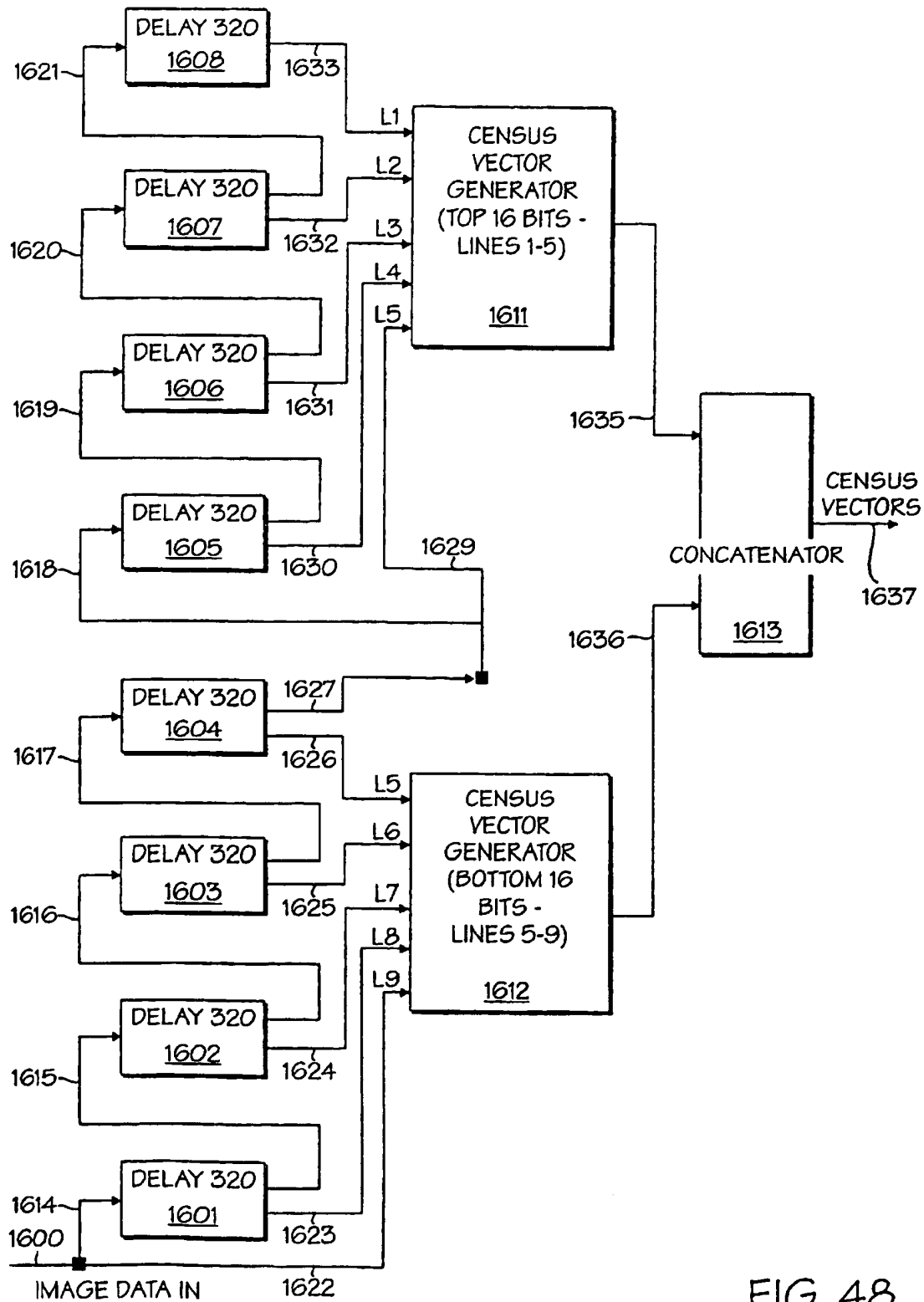


FIG. 48

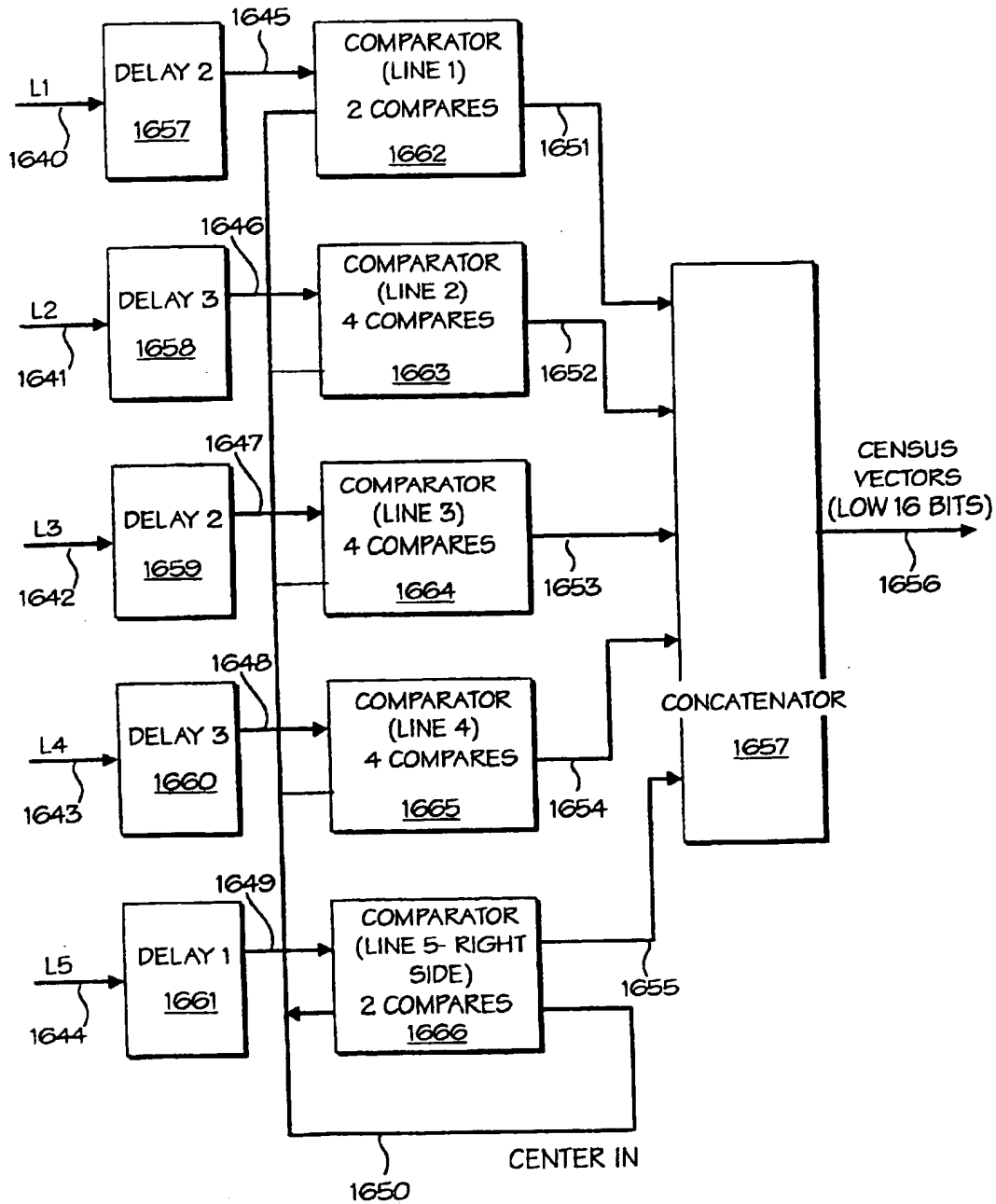


FIG. 49

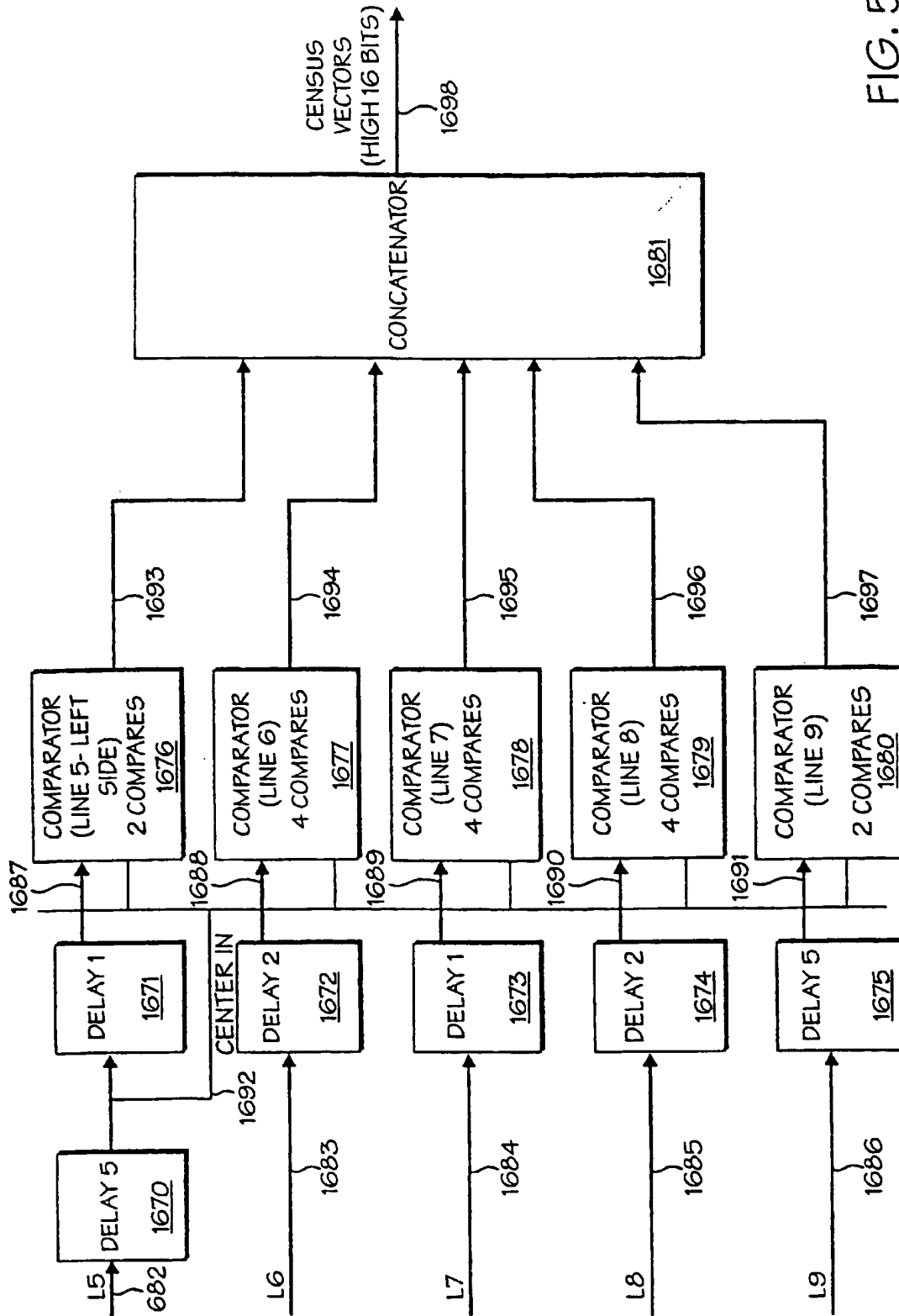


FIG. 50

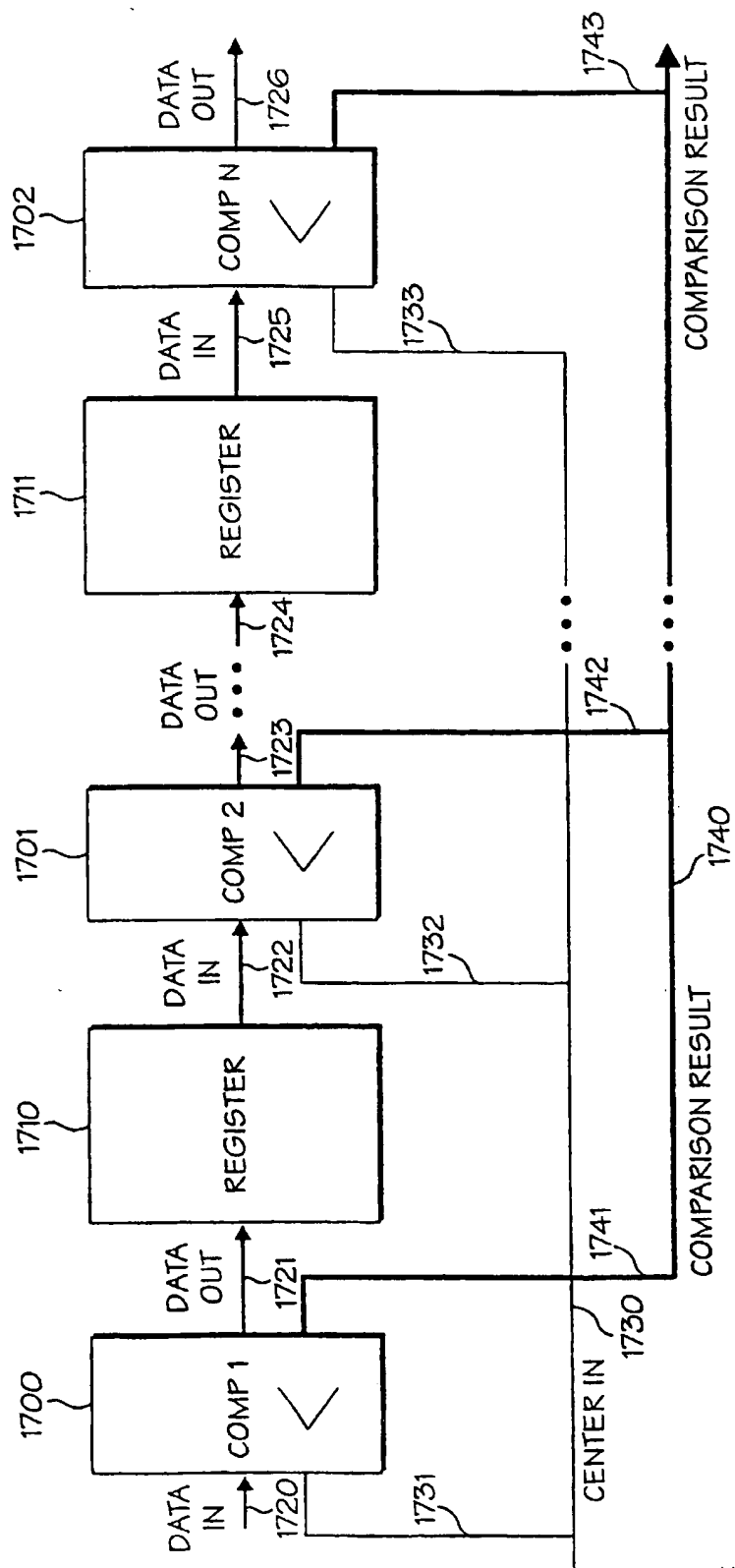


FIG. 51

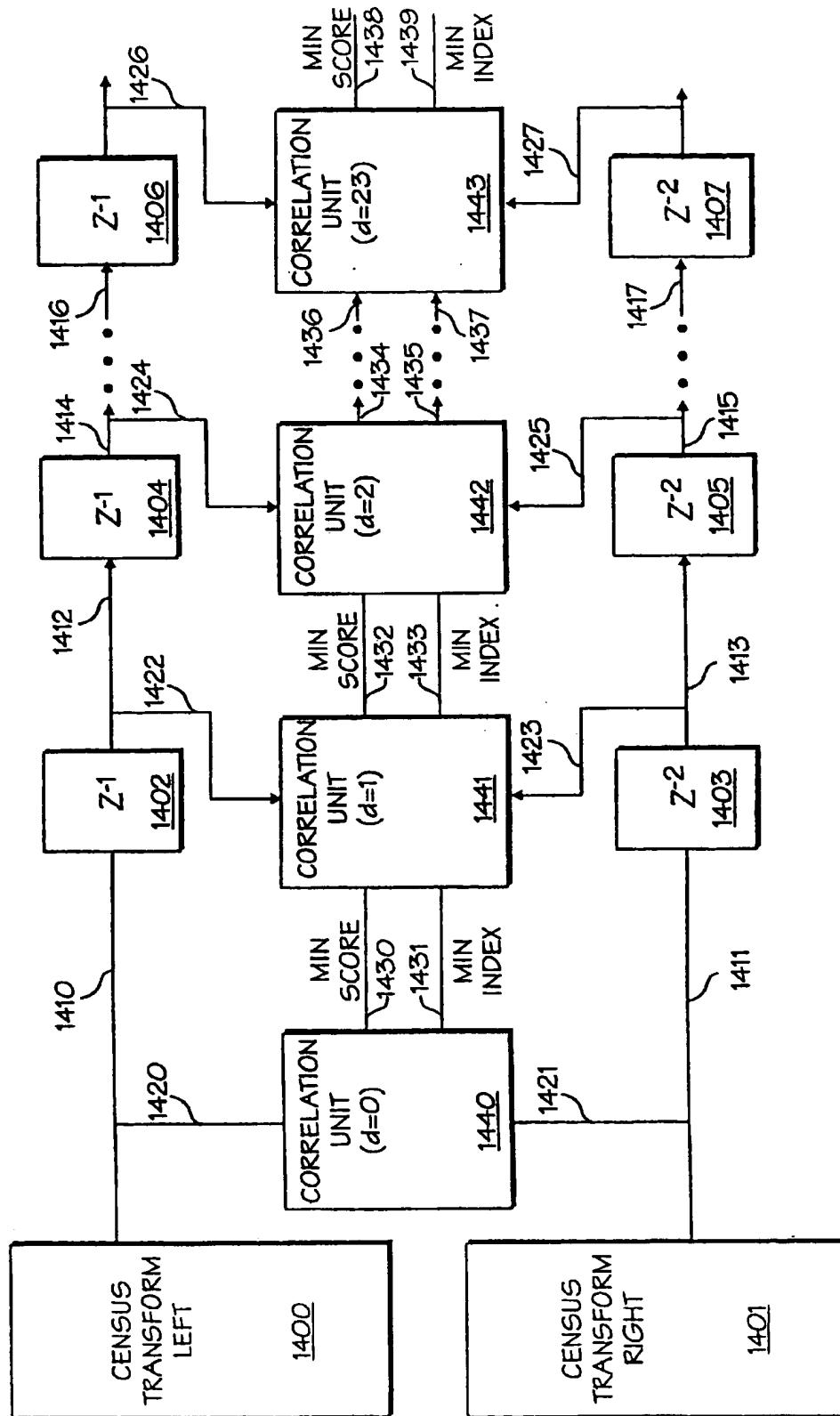


Fig. 52

CENSUS VECTORS
LEFT IMAGE

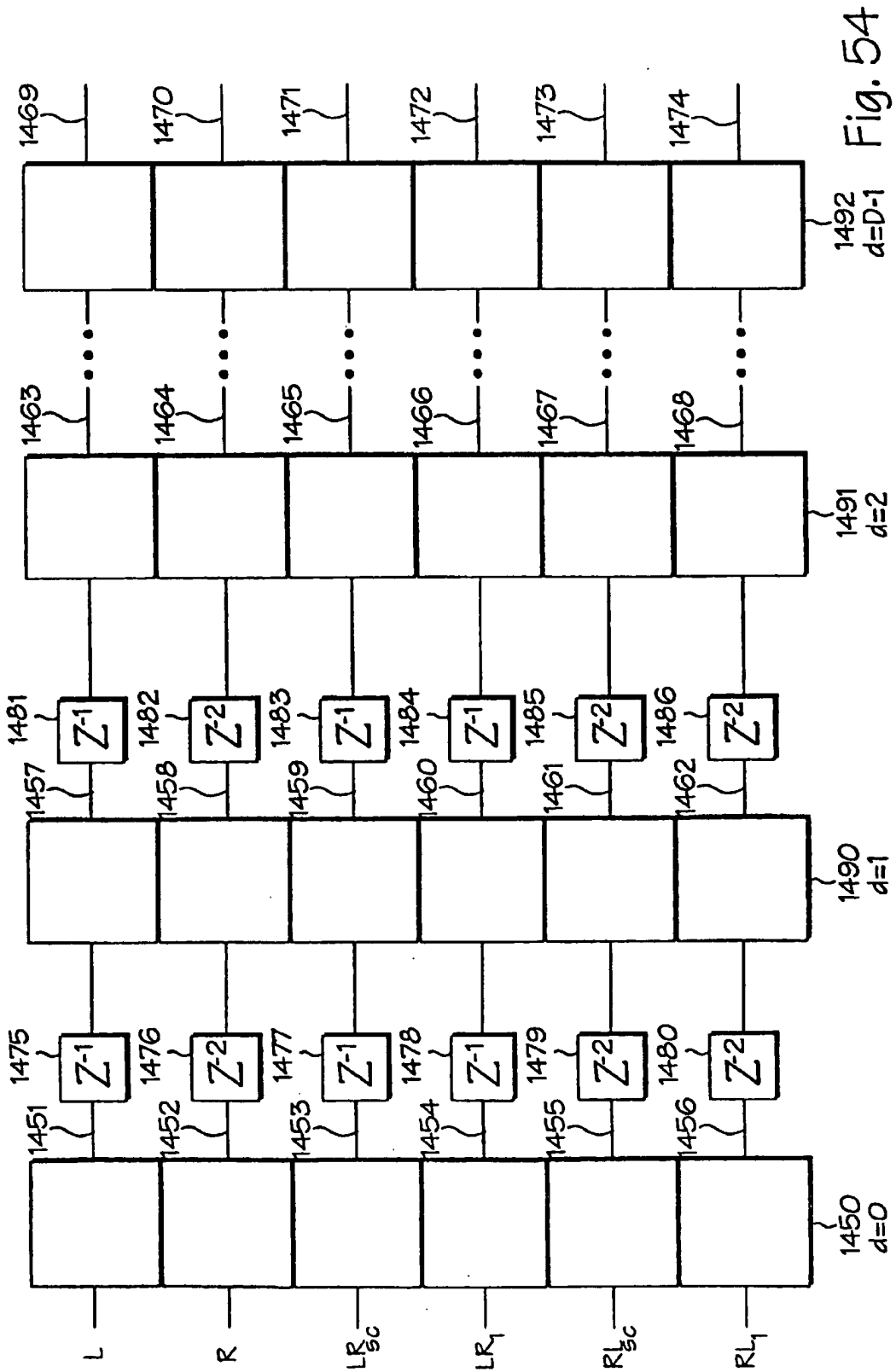
1	2	3	4	5	6	7	8	9	10	...
• • •										

Fig. 53(A)

CENSUS VECTORS
RIGHT IMAGE

1'	2'	3'	4'	5'	6'	7'	8'	9'	10'	...
• • •										

Fig. 53(B)



15 IMAGE ELEMENTS (1 TO 15 FOR L; 1' TO 15' FOR R)
 $D=5$ ($d = \{0, 1, 2, 3, 4\}$)

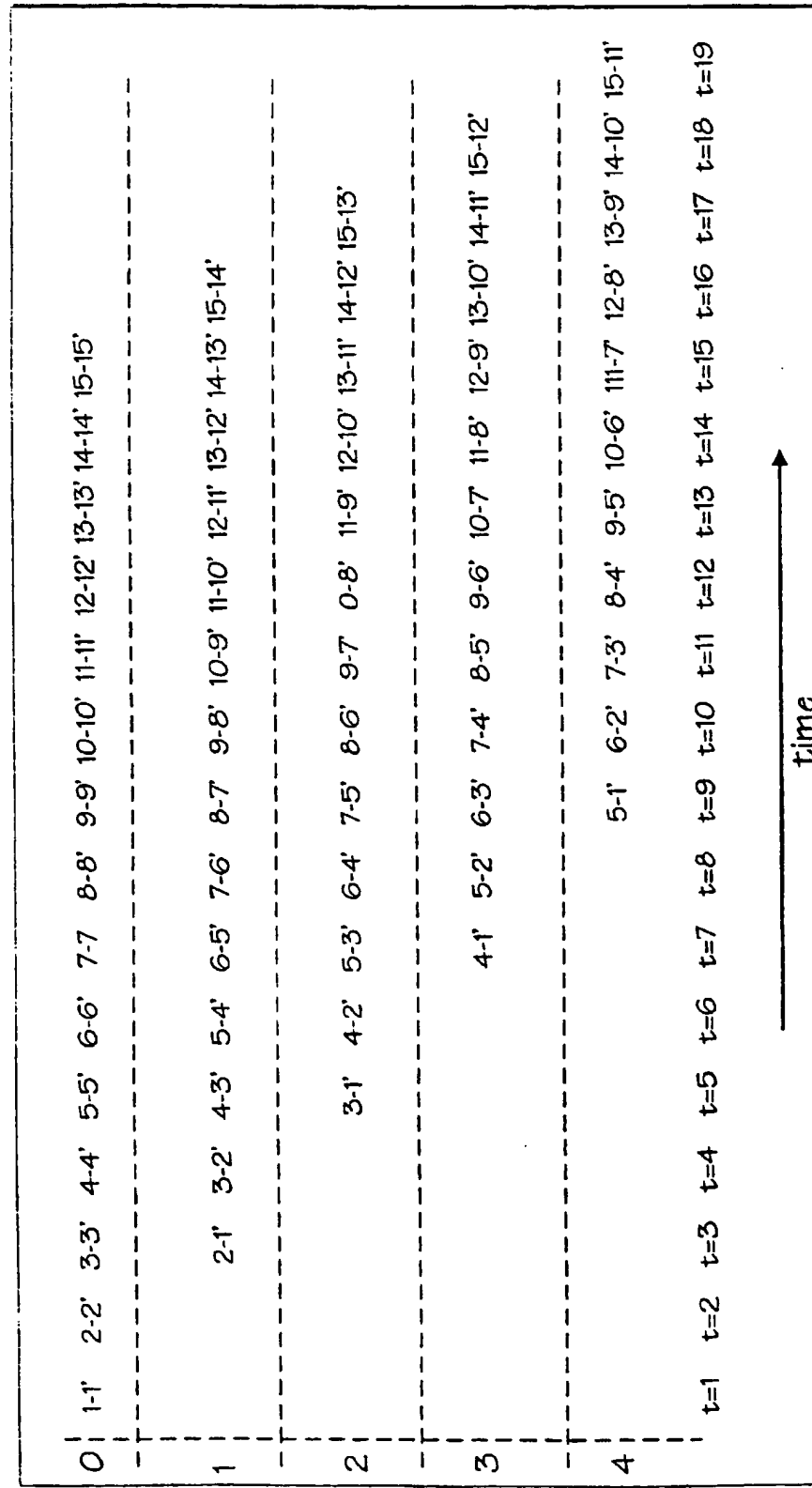


FIG. 55

LR _I		RL _I	
LR _I (9)	5	RL _I (5')	
LR _I (8)	4	RL _I (4')	
LR _I (7)	3	RL _I (3')	
LR _I (6)	2	RL _I (2')	
LR _I (5)	1	RL _I (1')	

Fig. 56(A)

LR _I		RL _I	
LR _I (10)	5	RL _I (6')	
LR _I (9)	4	RL _I (5')	
LR _I (8)	3	RL _I (4')	
LR _I (7)	2	RL _I (3')	
LR _I (6)	1	RL _I (2')	

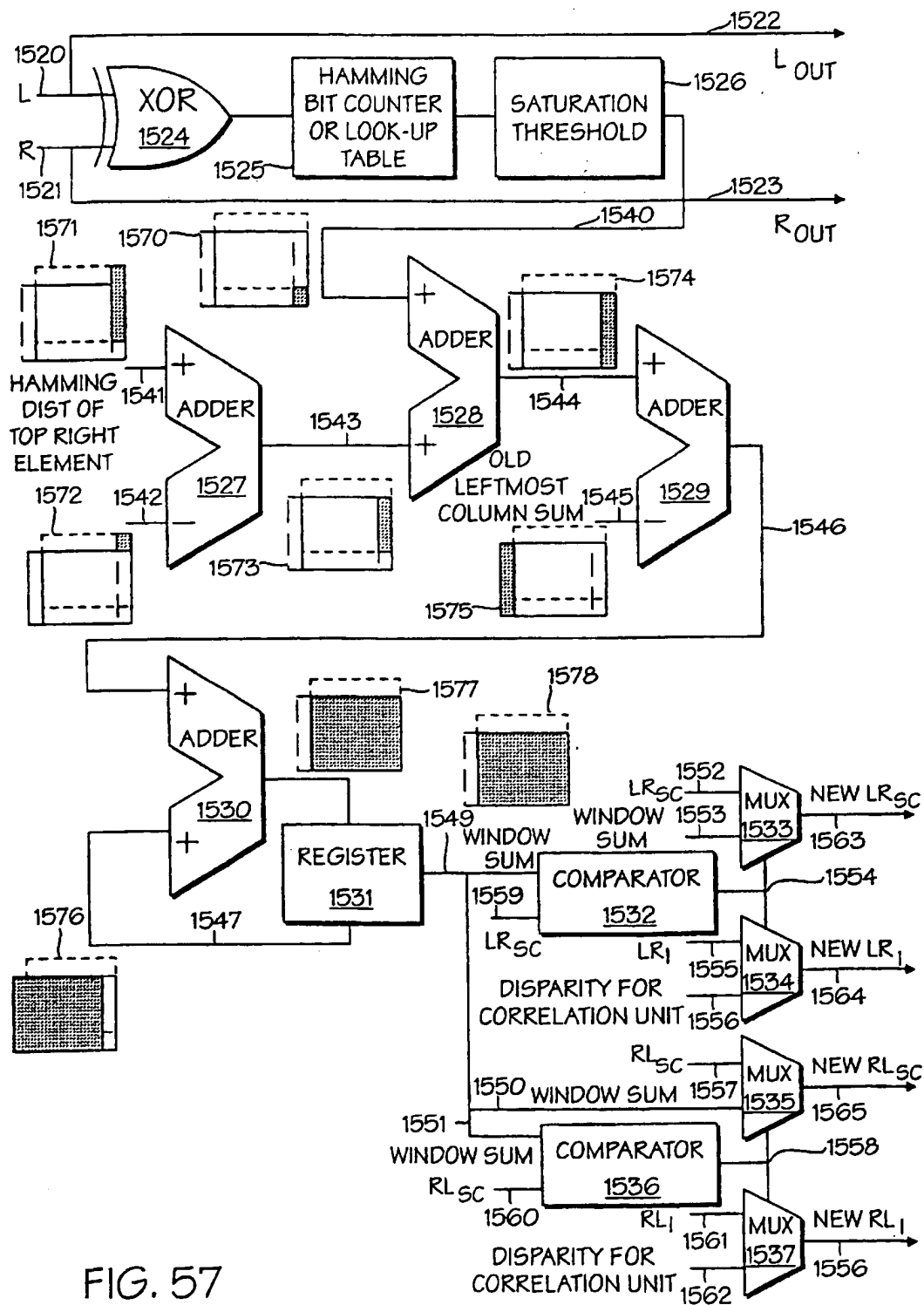
Fig. 56(B)

LR _I		RL _I	
LR _I (11)	5	RL _I (7')	
LR _I (10)	4	RL _I (6')	
LR _I (9)	3	RL _I (5')	
LR _I (8)	2	RL _I (4')	
LR _I (7)	1	RL _I (3')	

Fig. 56(C)

LR _I		RL _I	
	10		
	9		
	8		
	7		
	6		
	5		
	4		
	3		
	2		
	1		

Fig. 56(D)



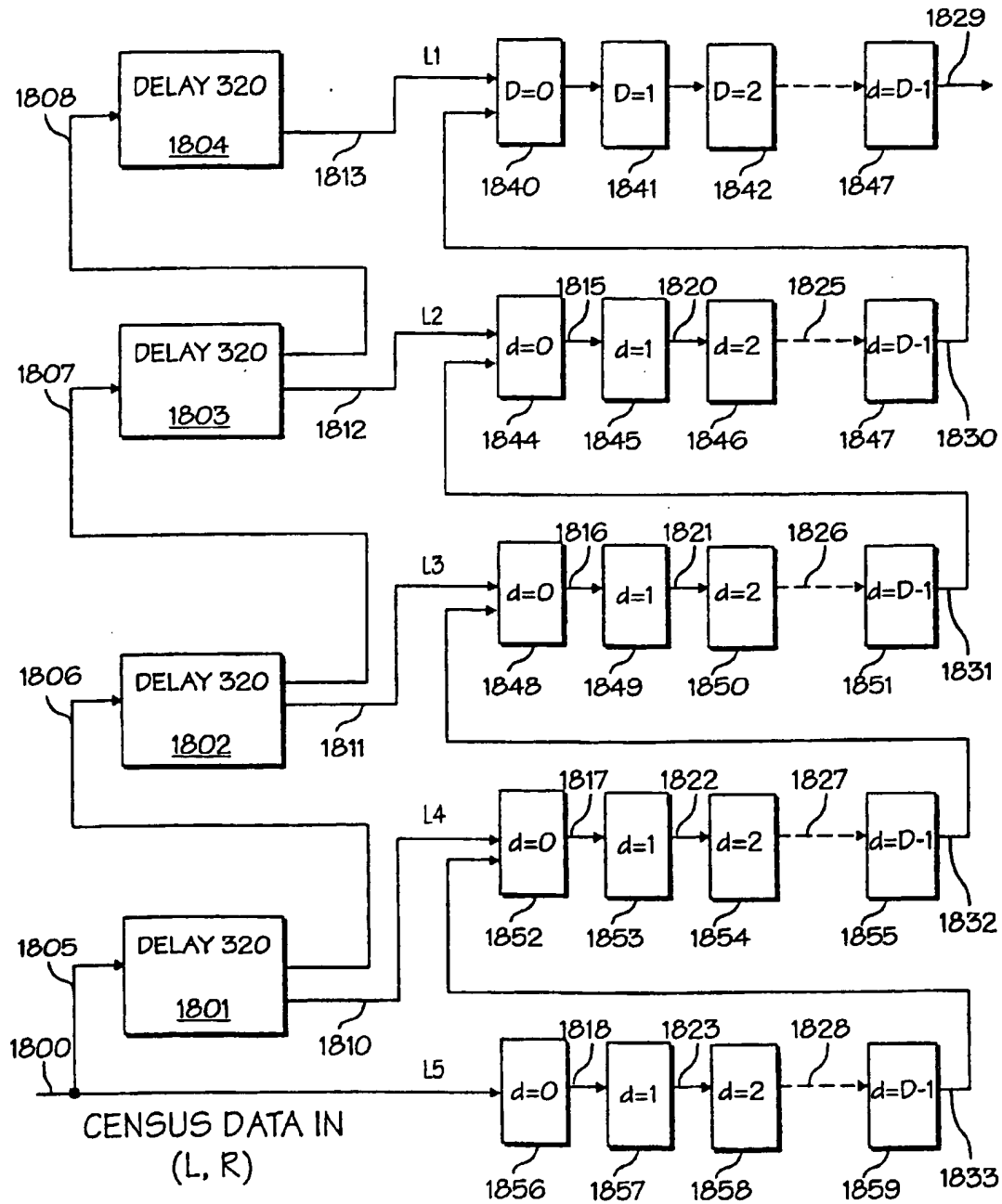


FIG. 58

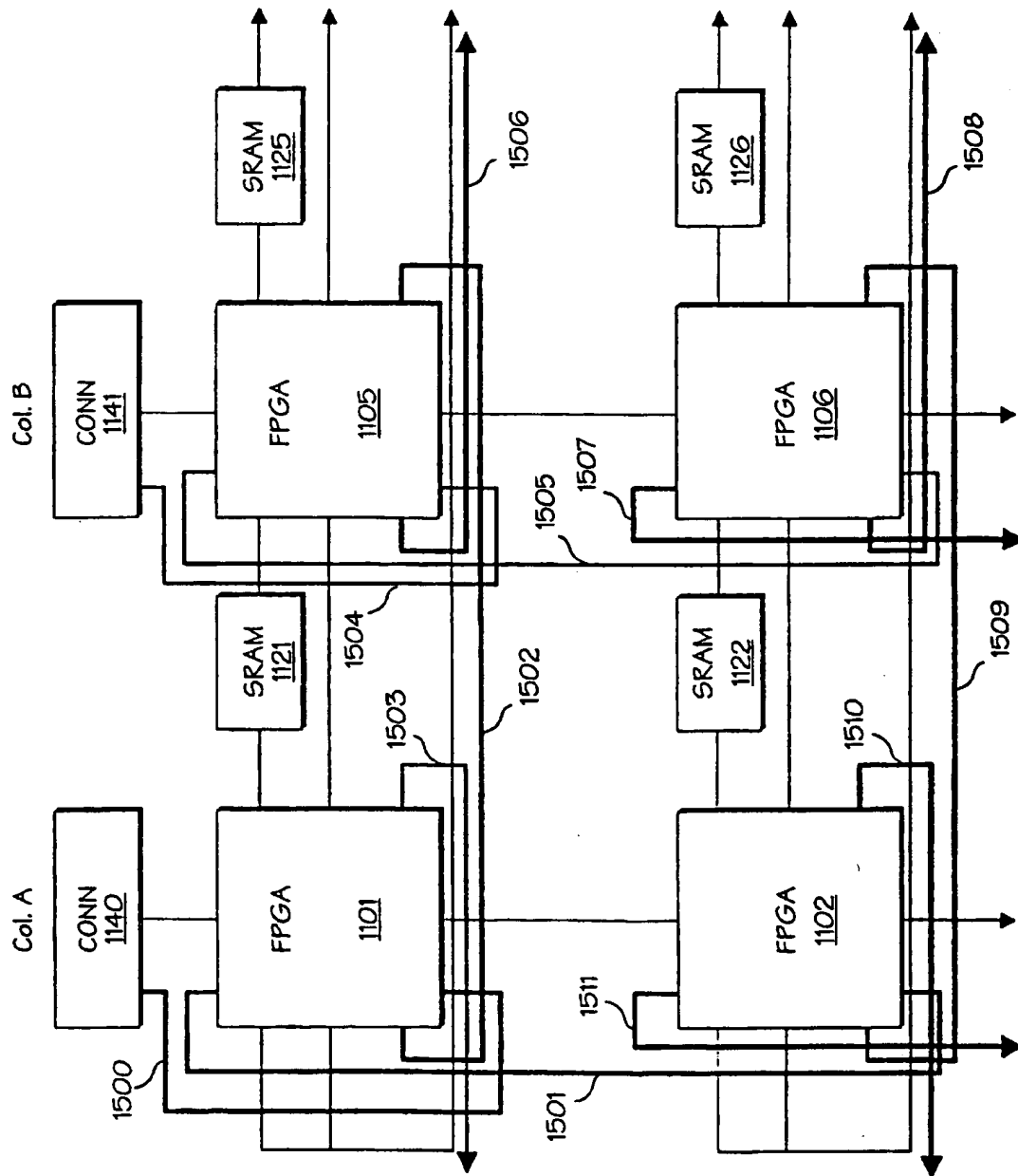


FIG. 59

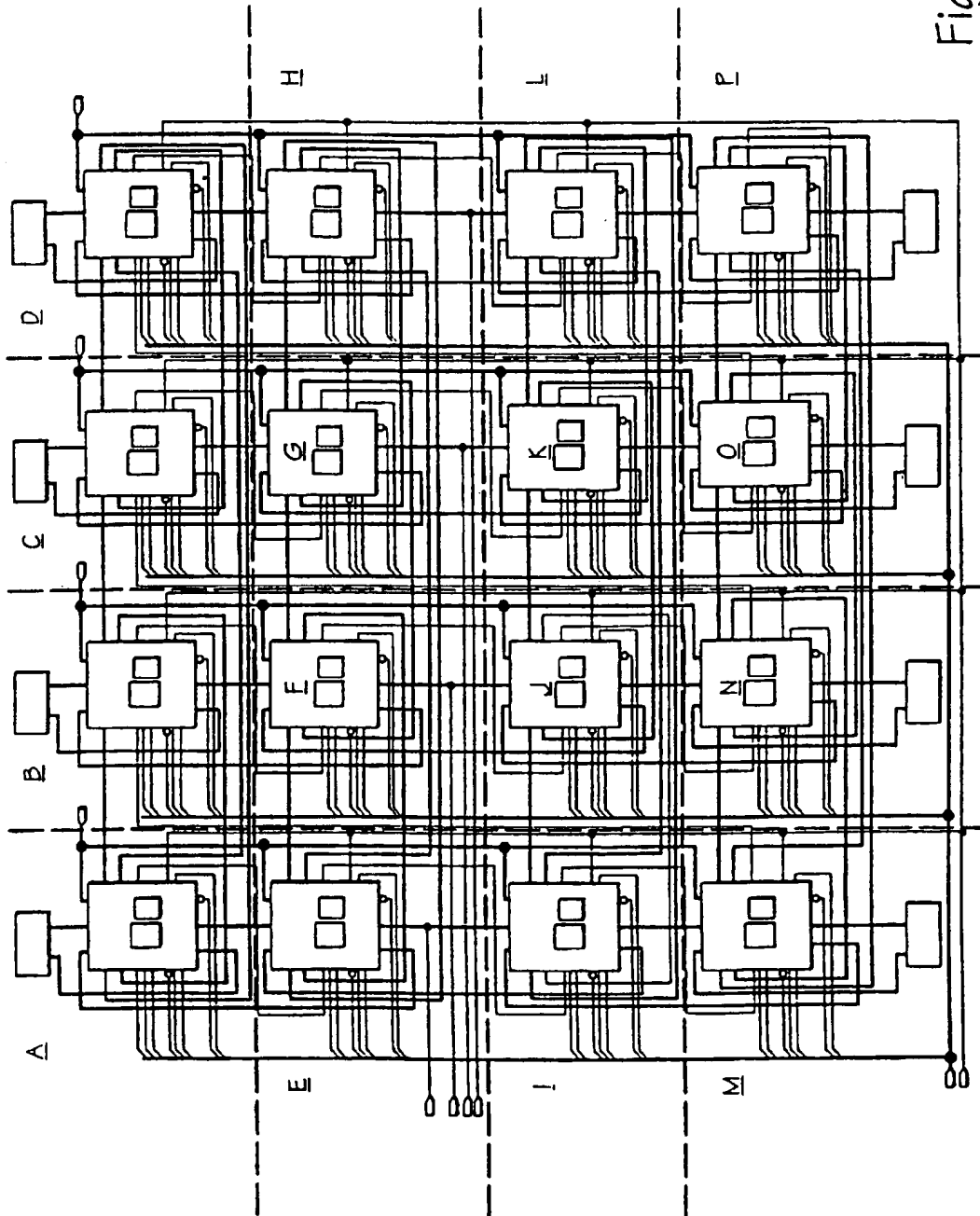
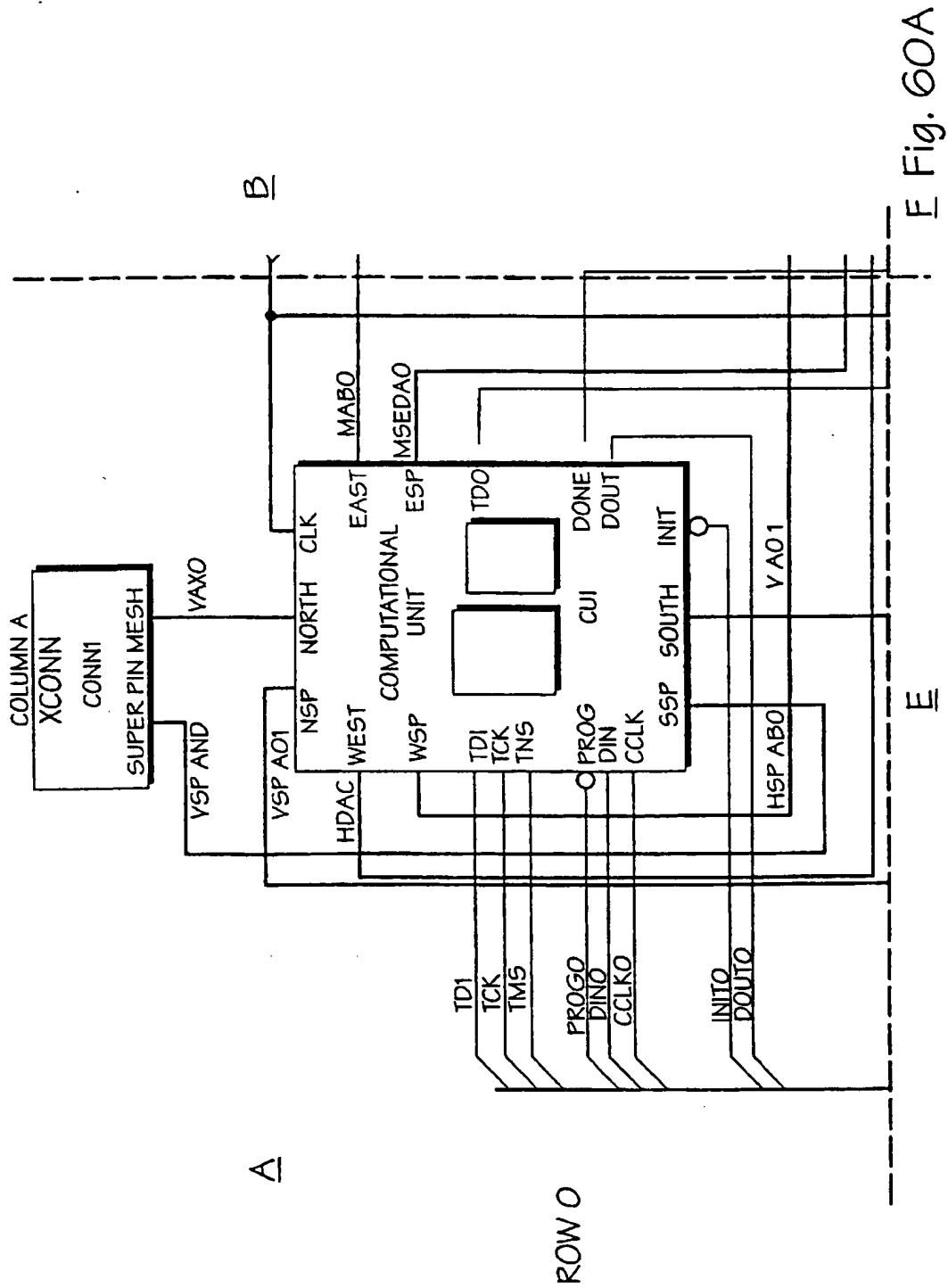
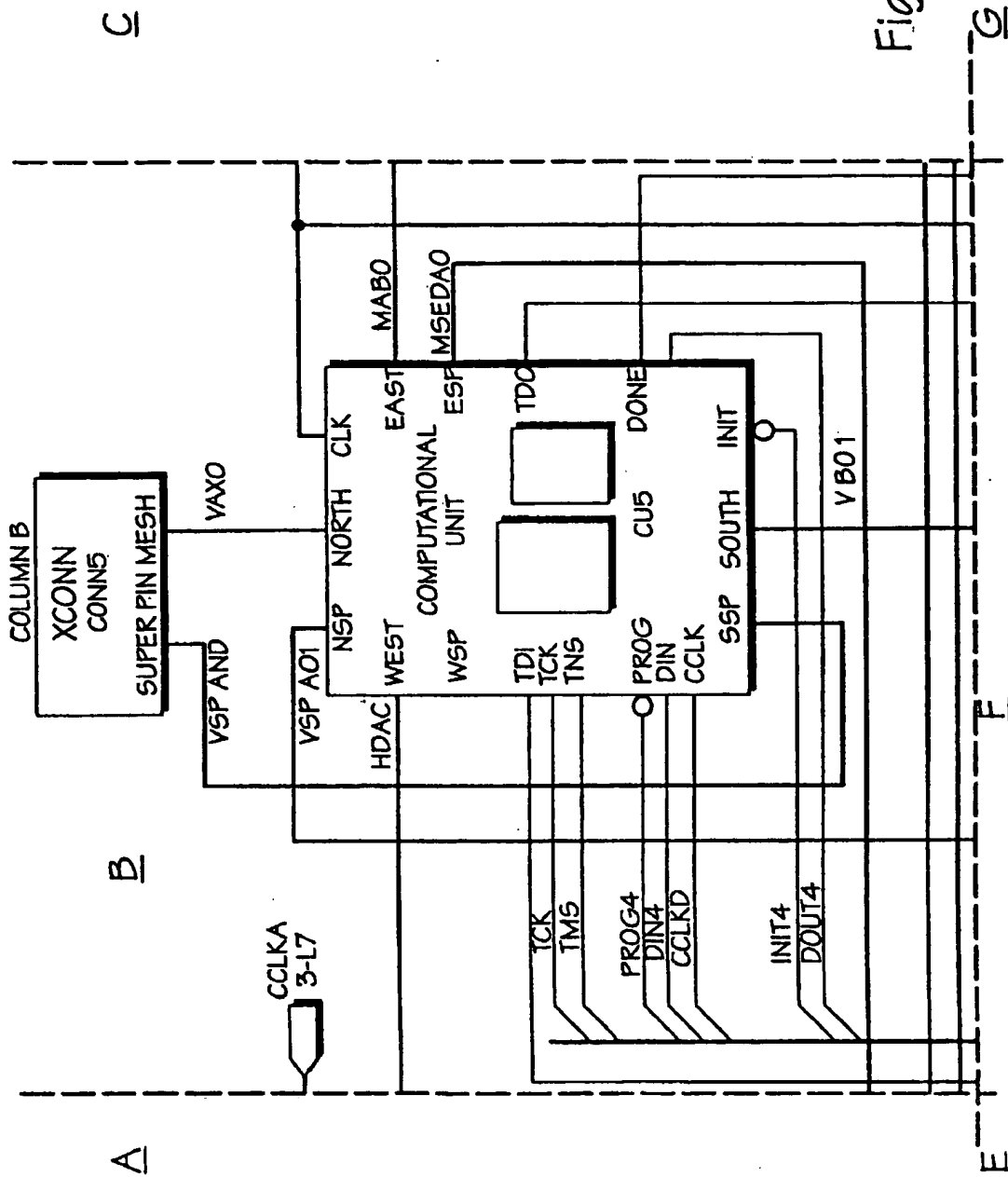


Fig. 60



F Fig. 60A



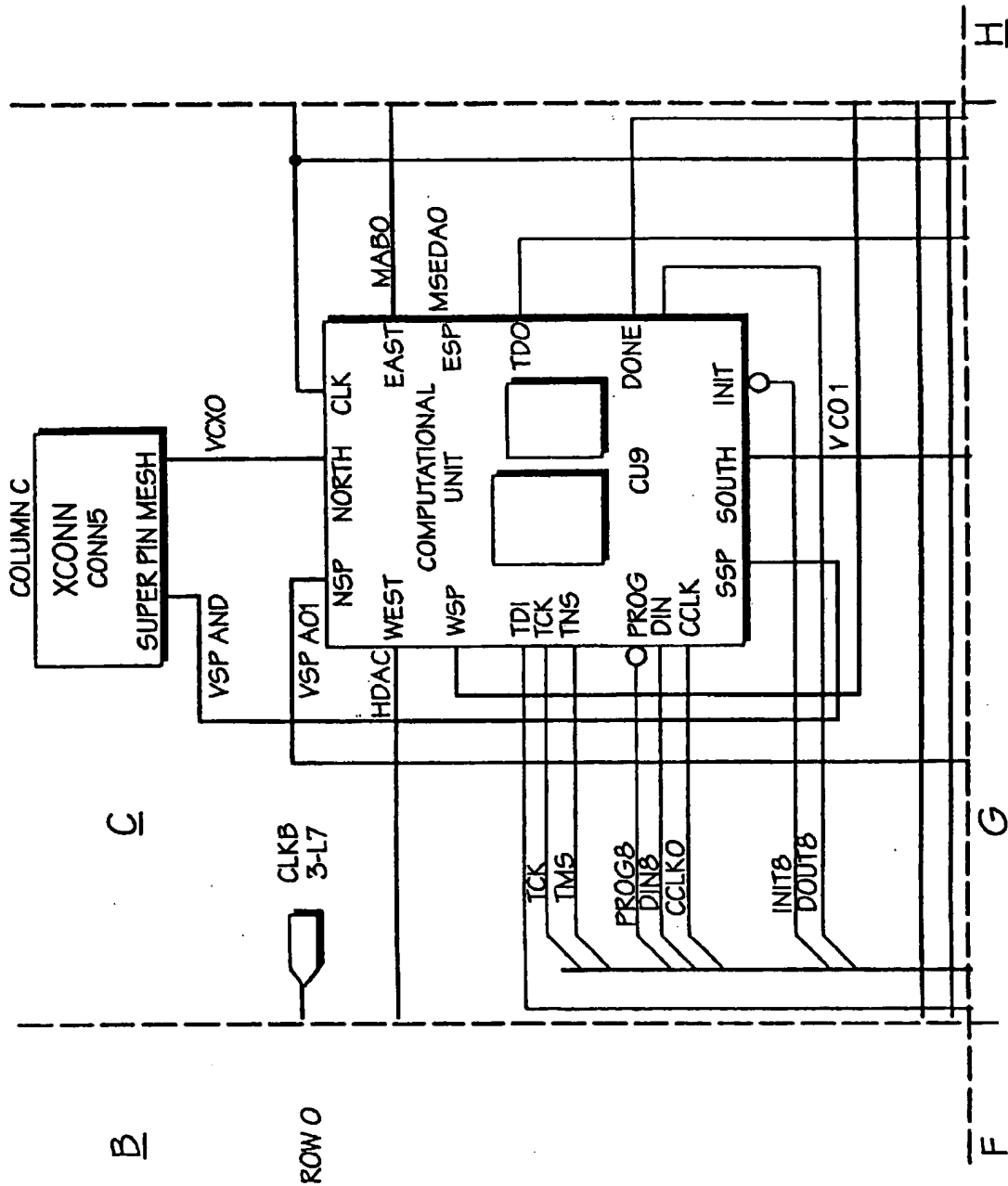


Fig. 60C

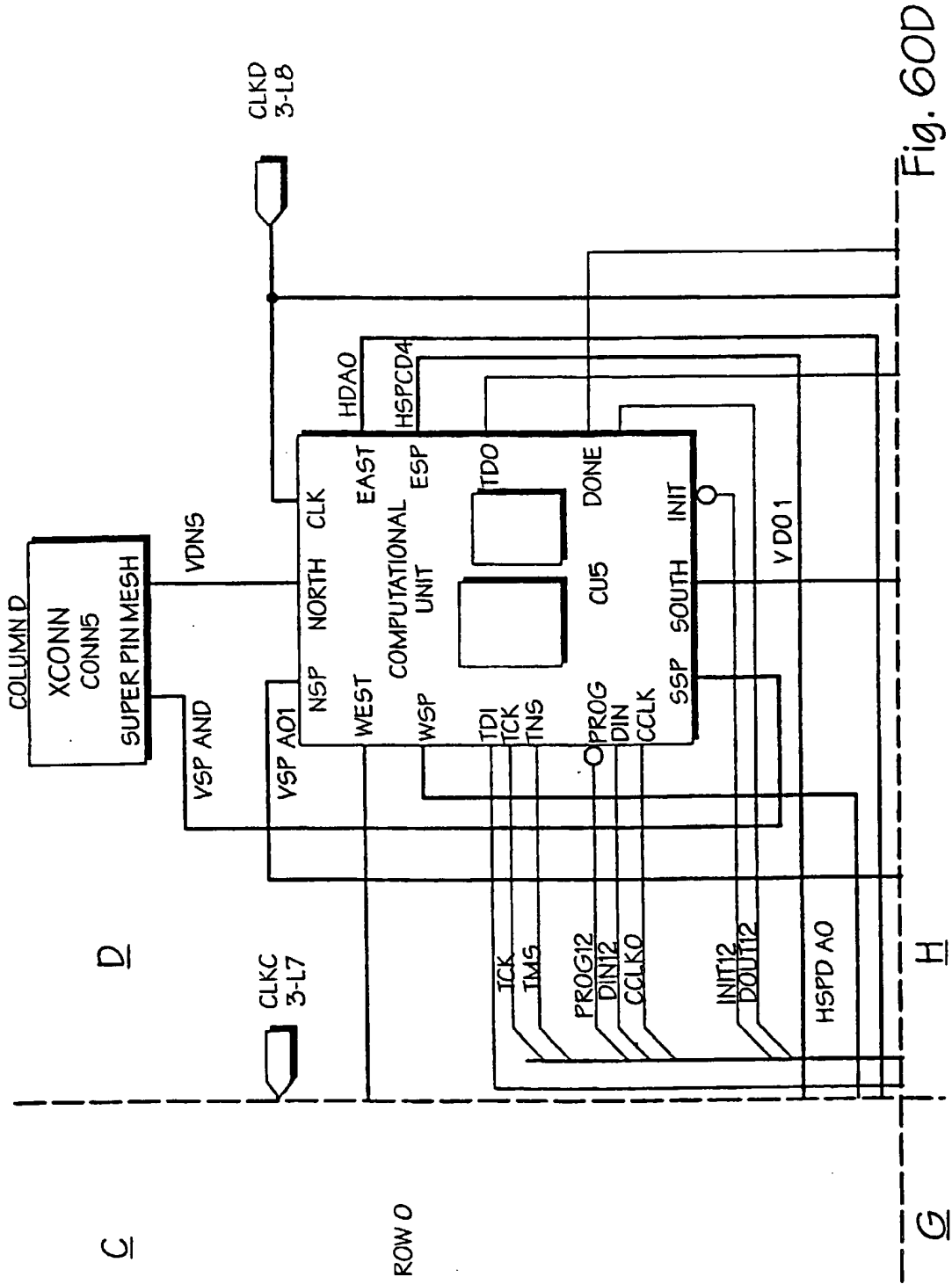
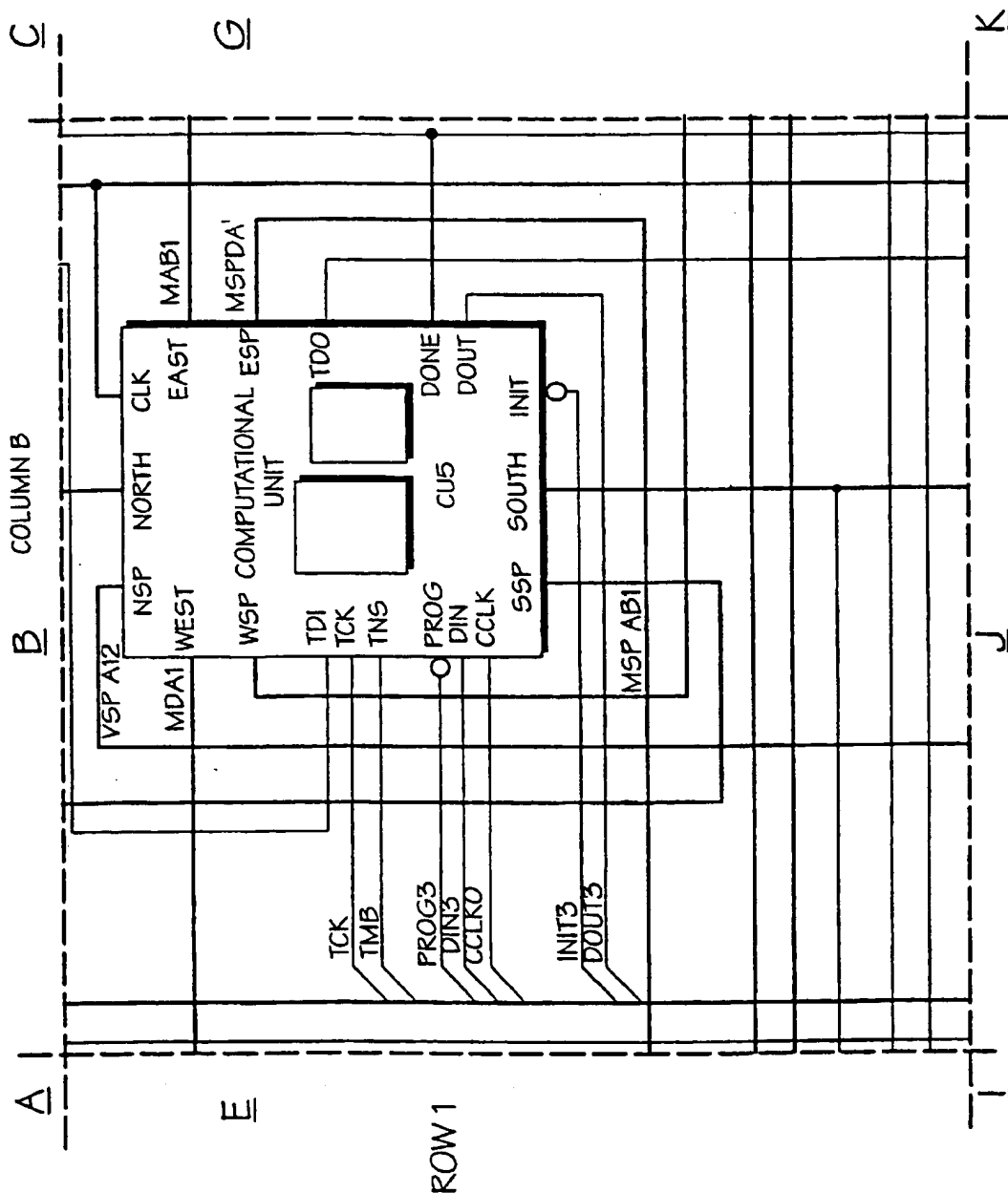


Fig. 60D





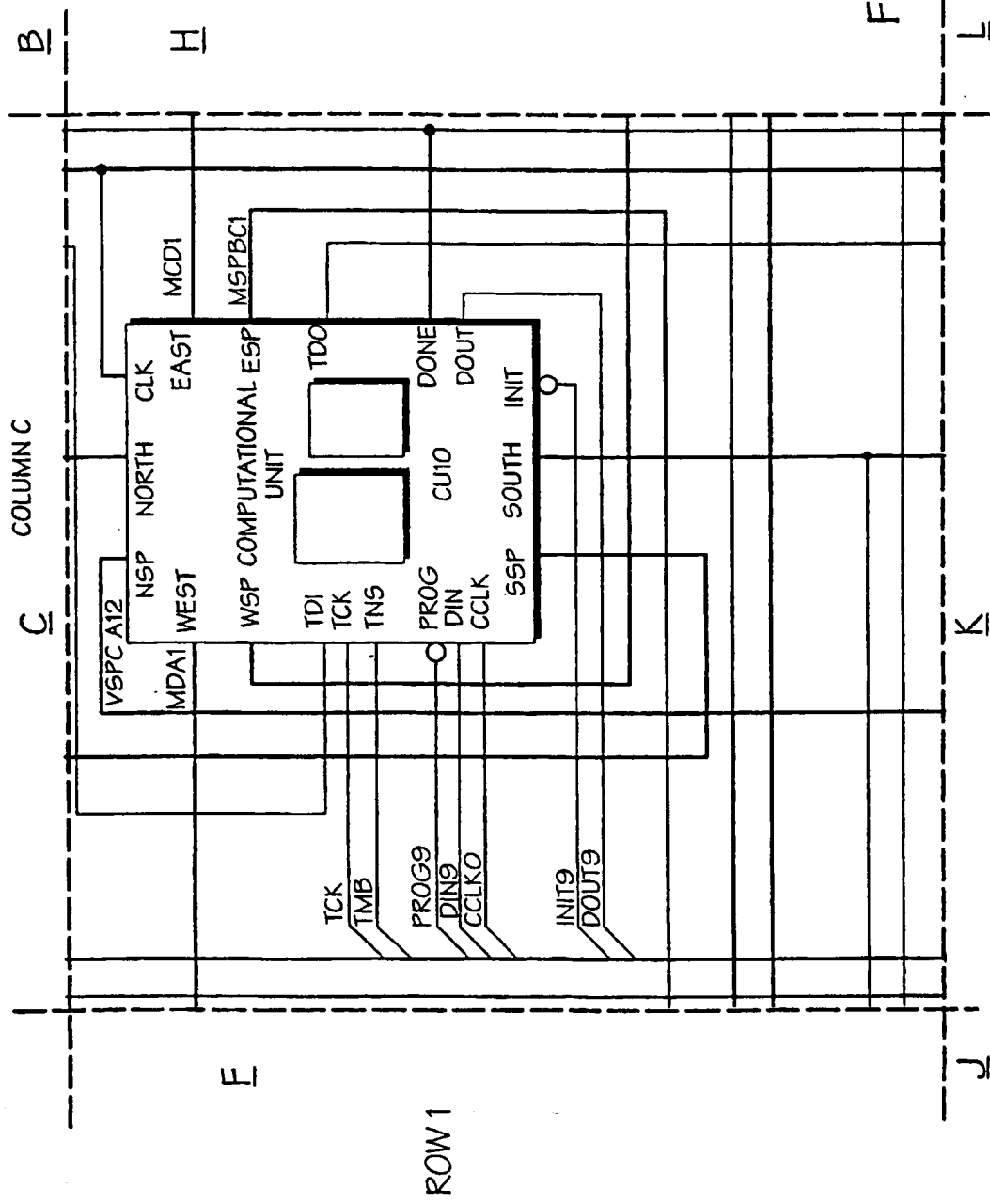


Fig. 600

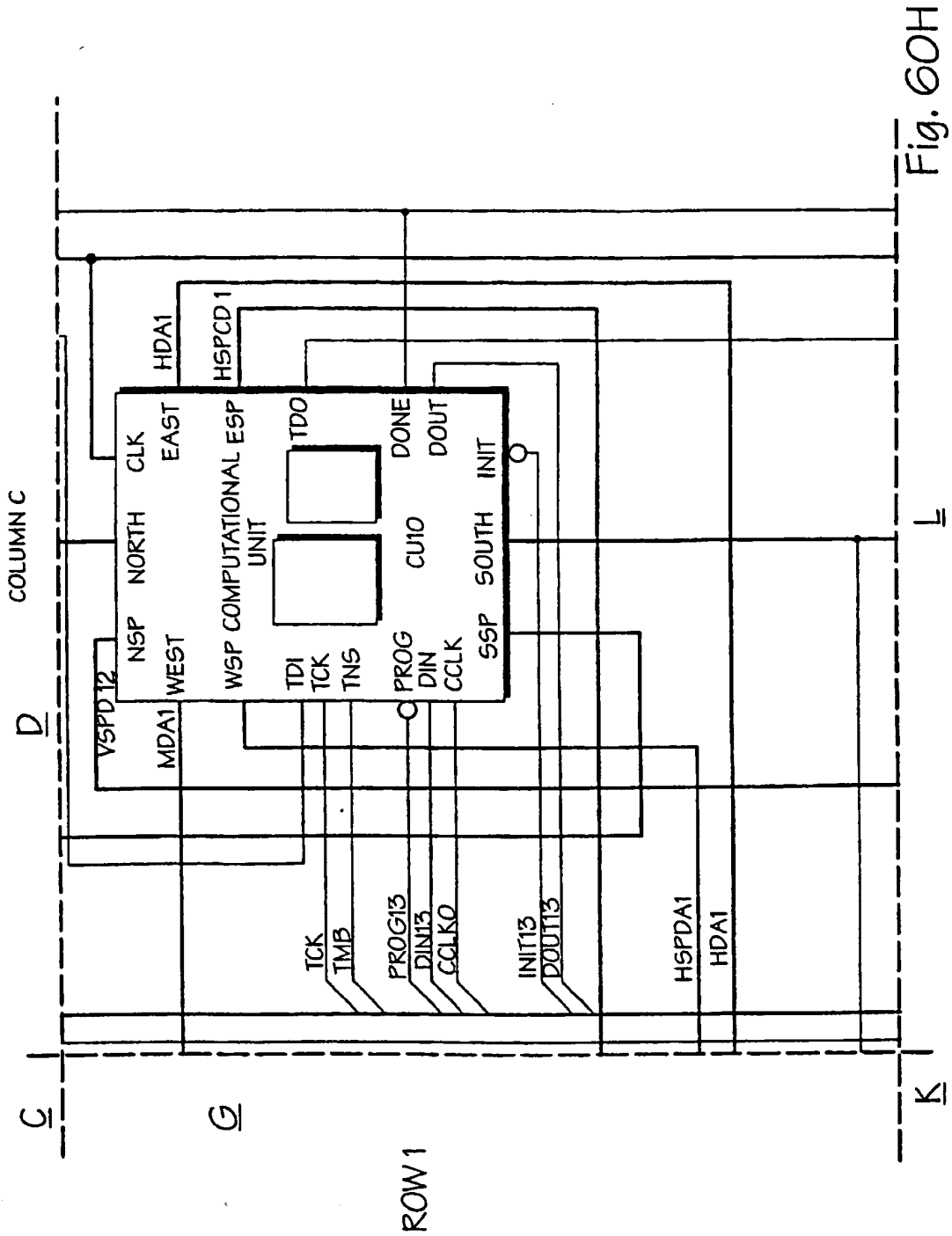
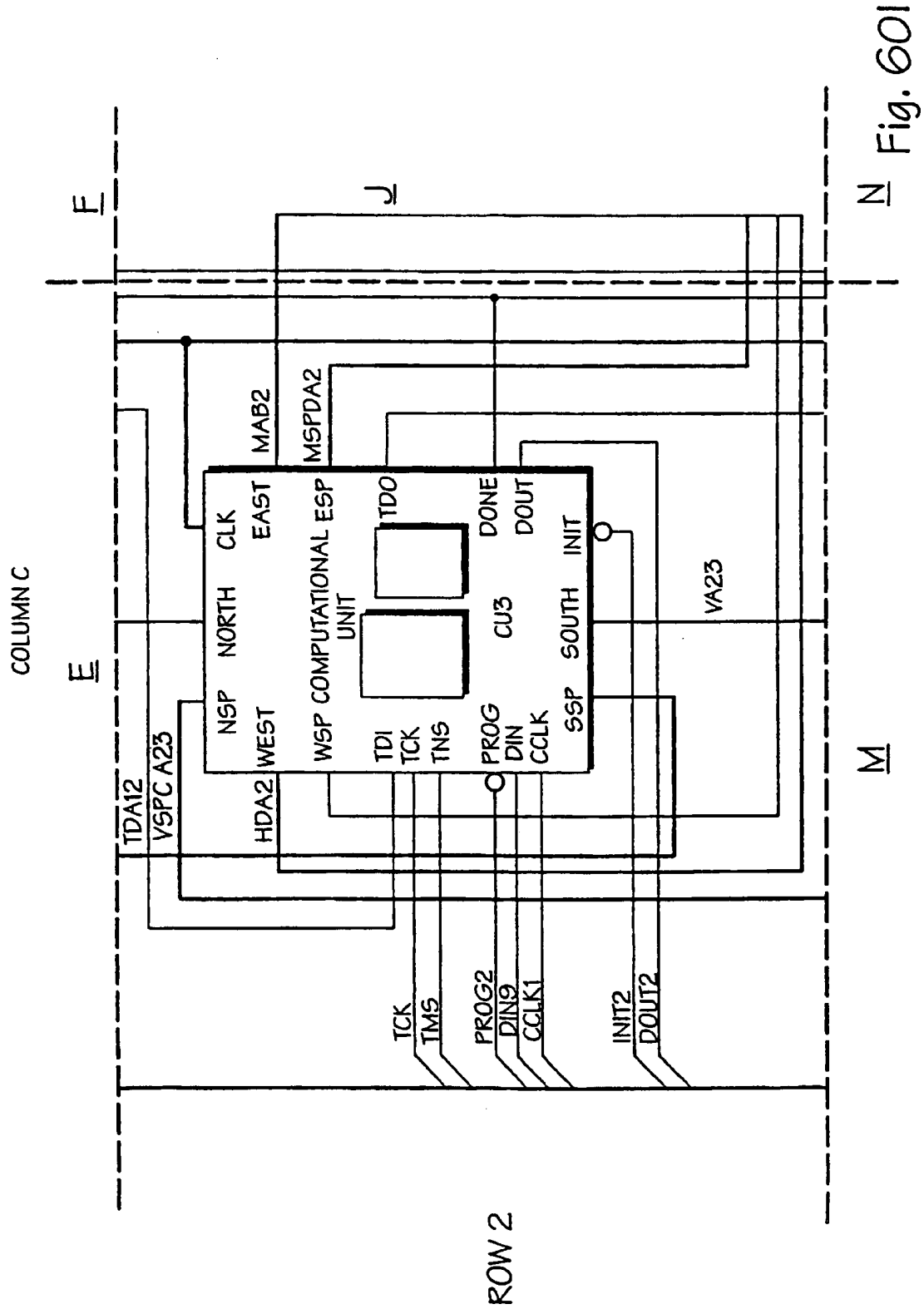
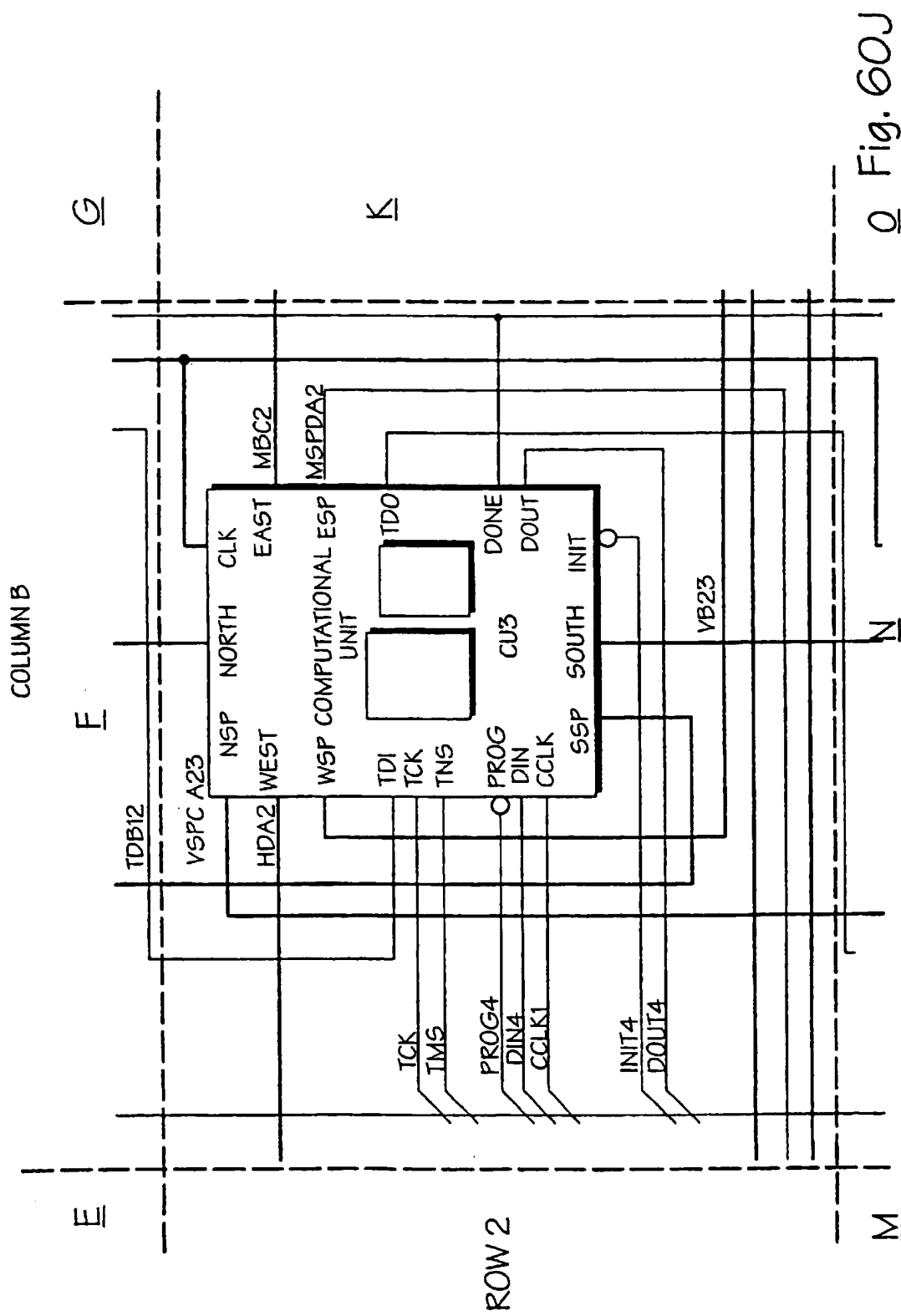


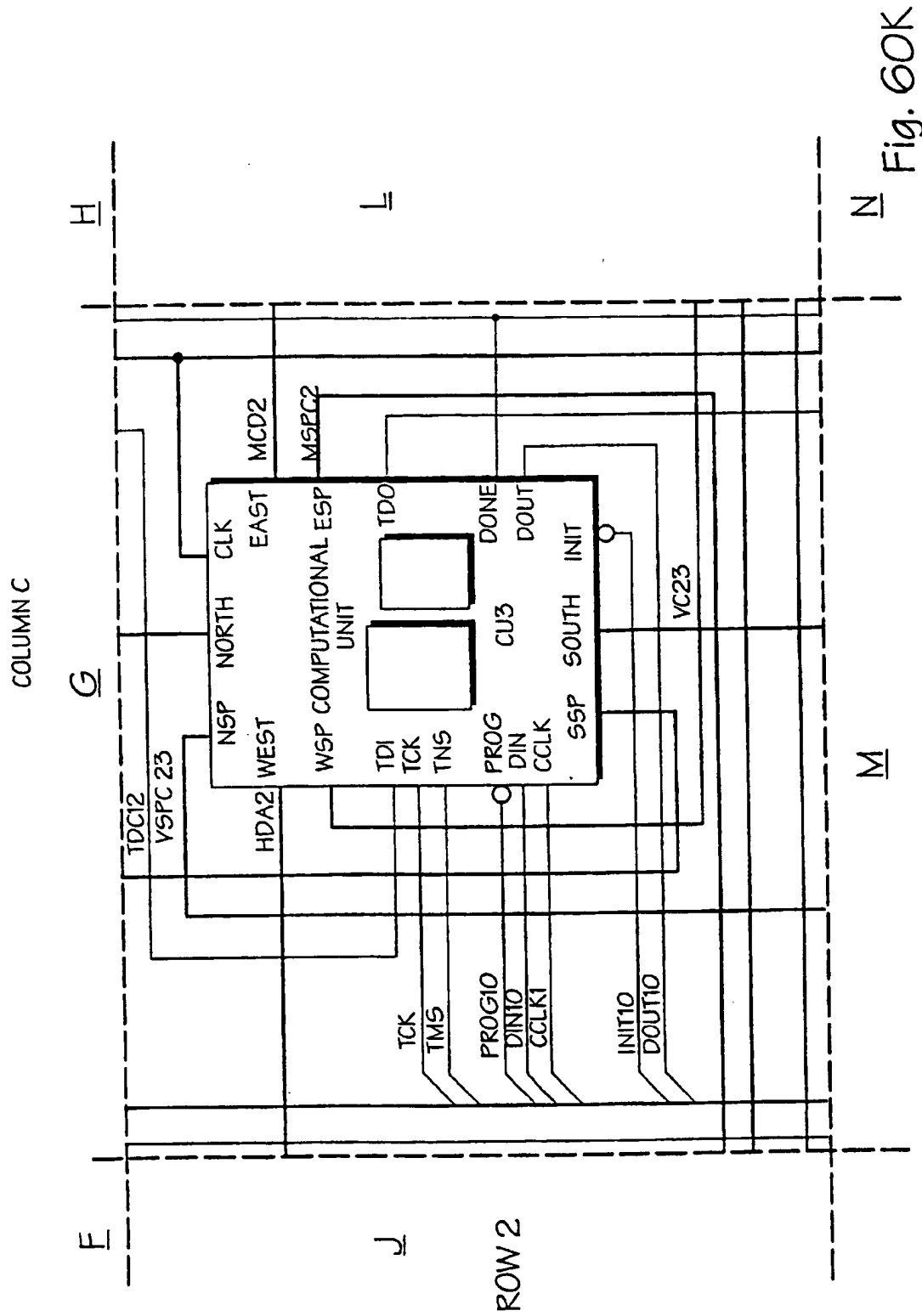
Fig. 60H



N Fig. 601



Q Fig. 60J



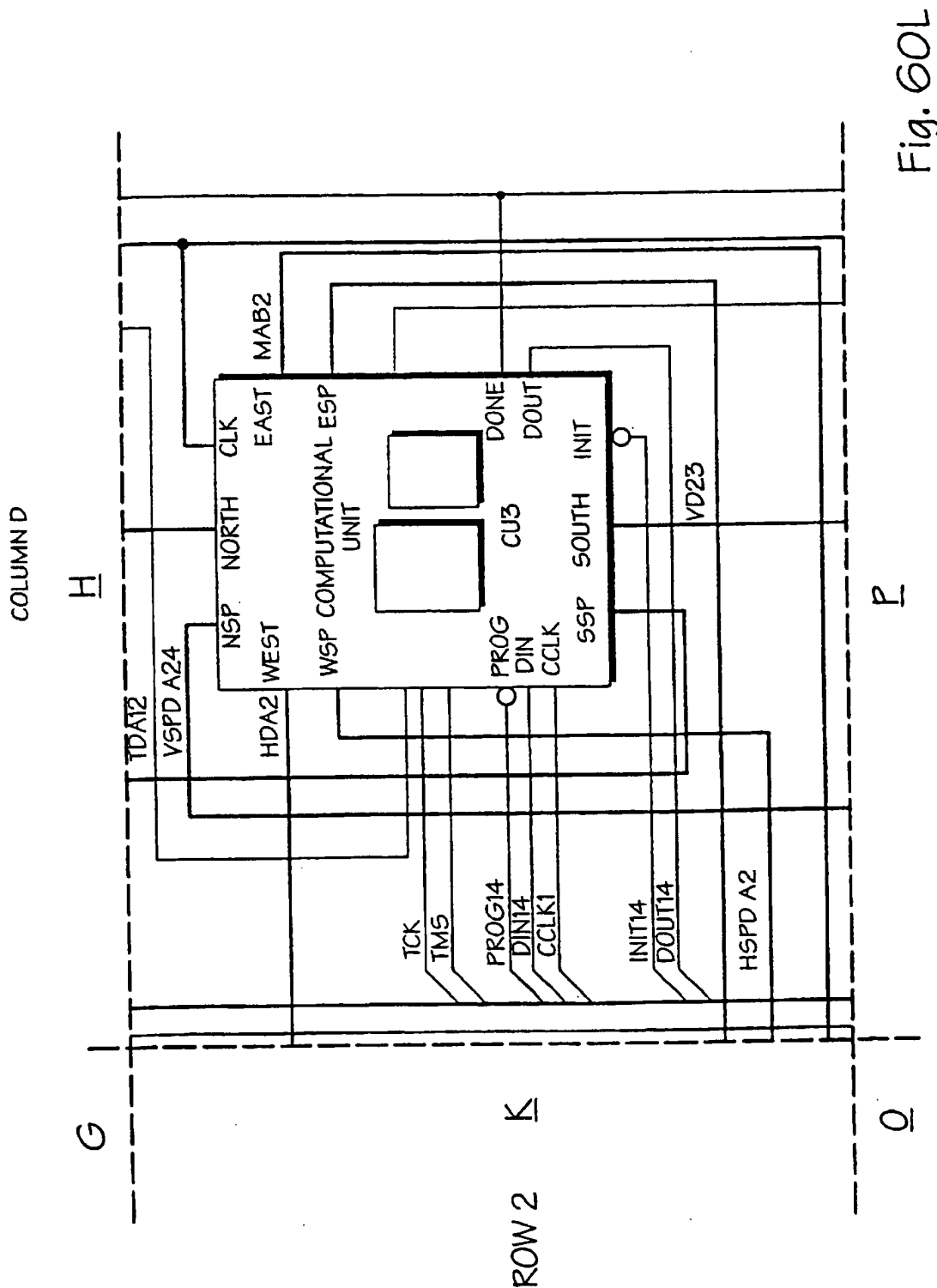


Fig. 60L

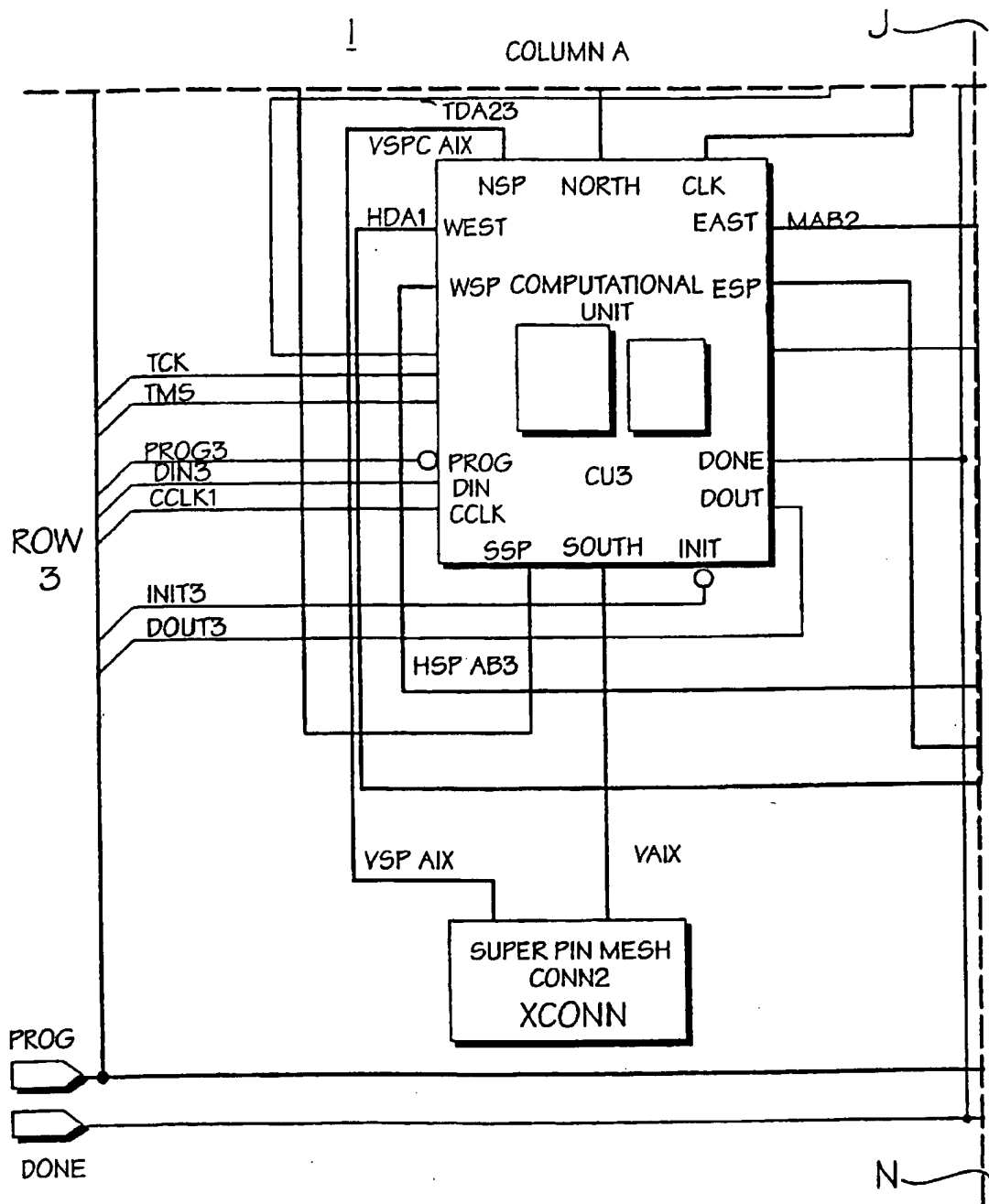


Fig. 60M

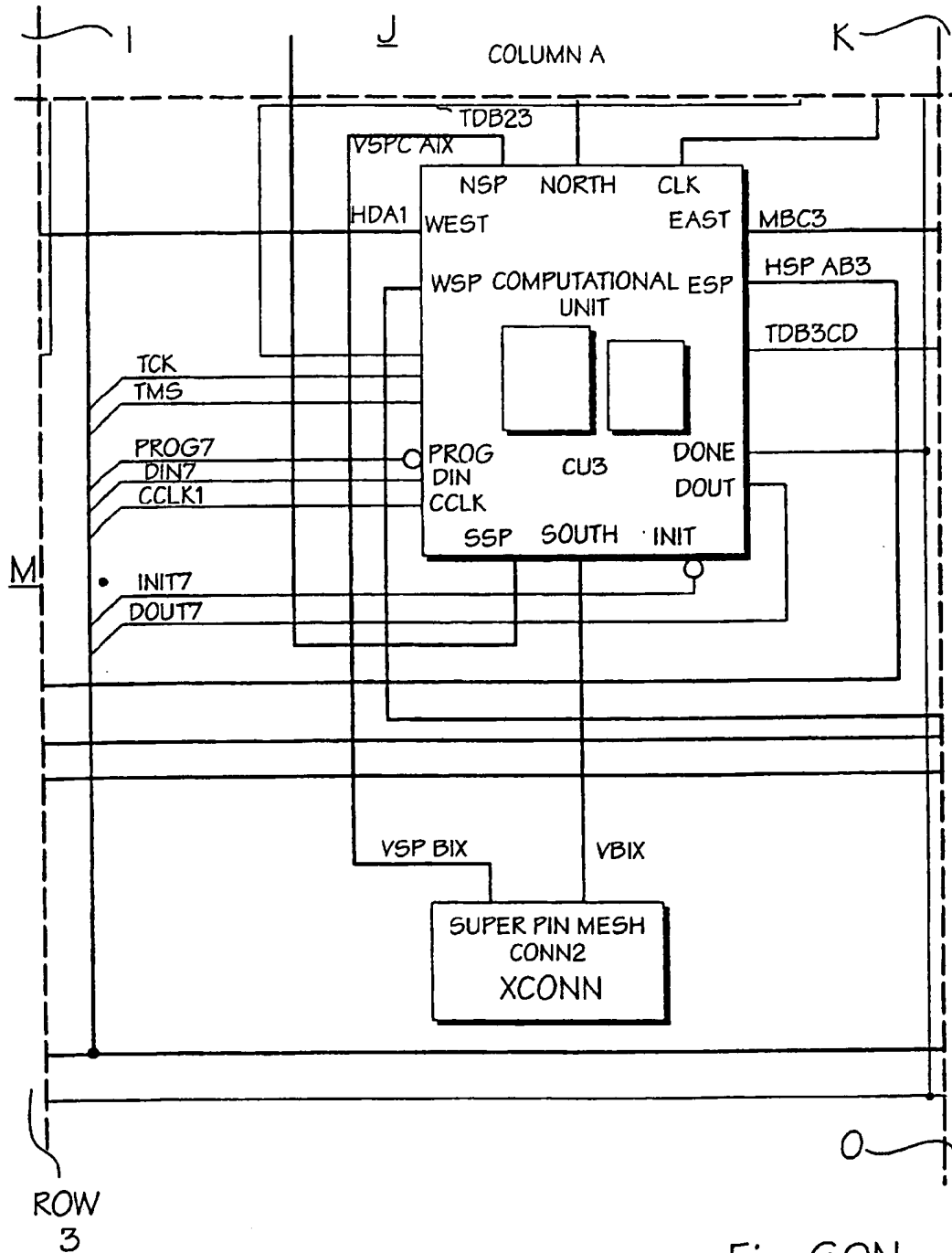


Fig. 60N

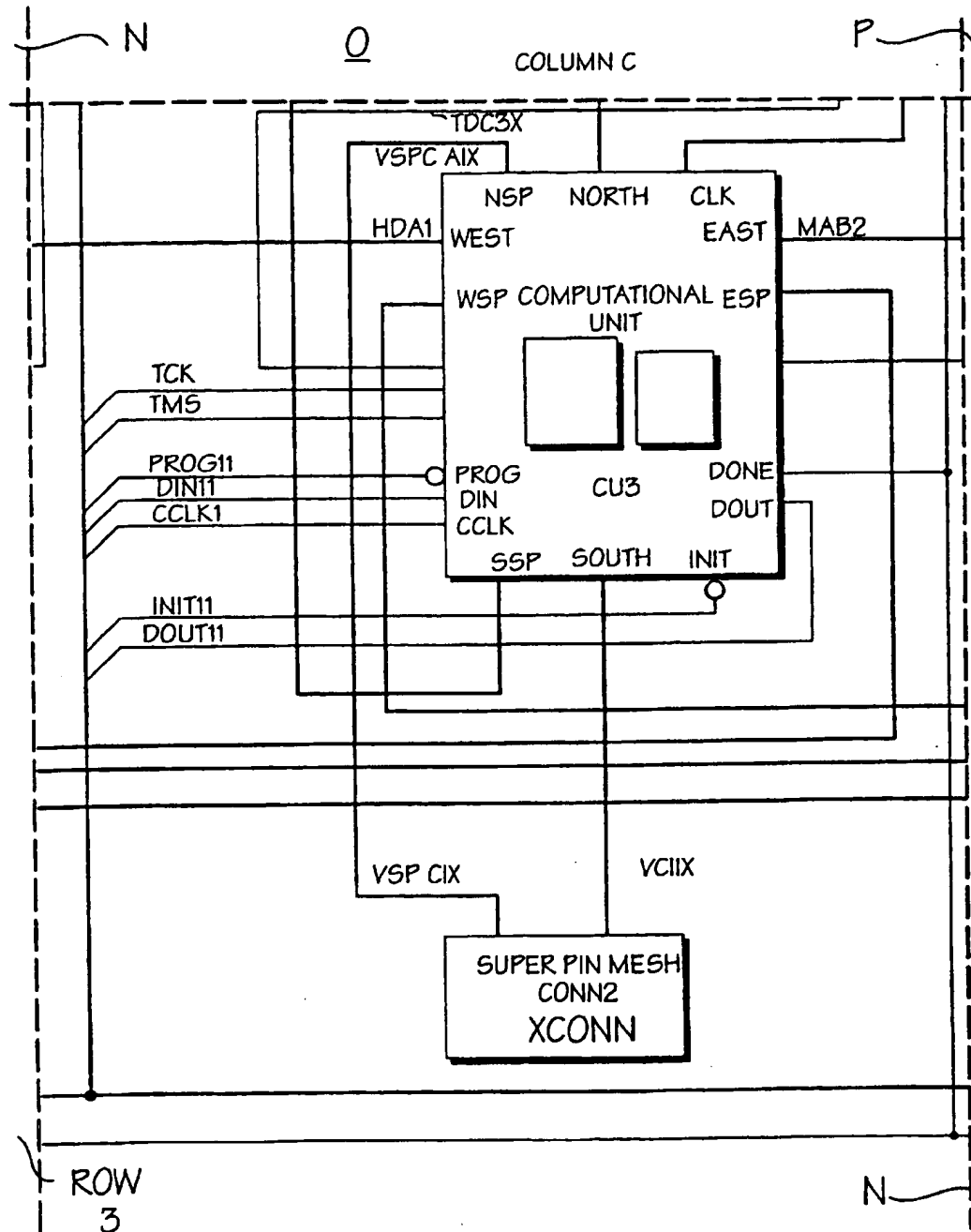


Fig. 600

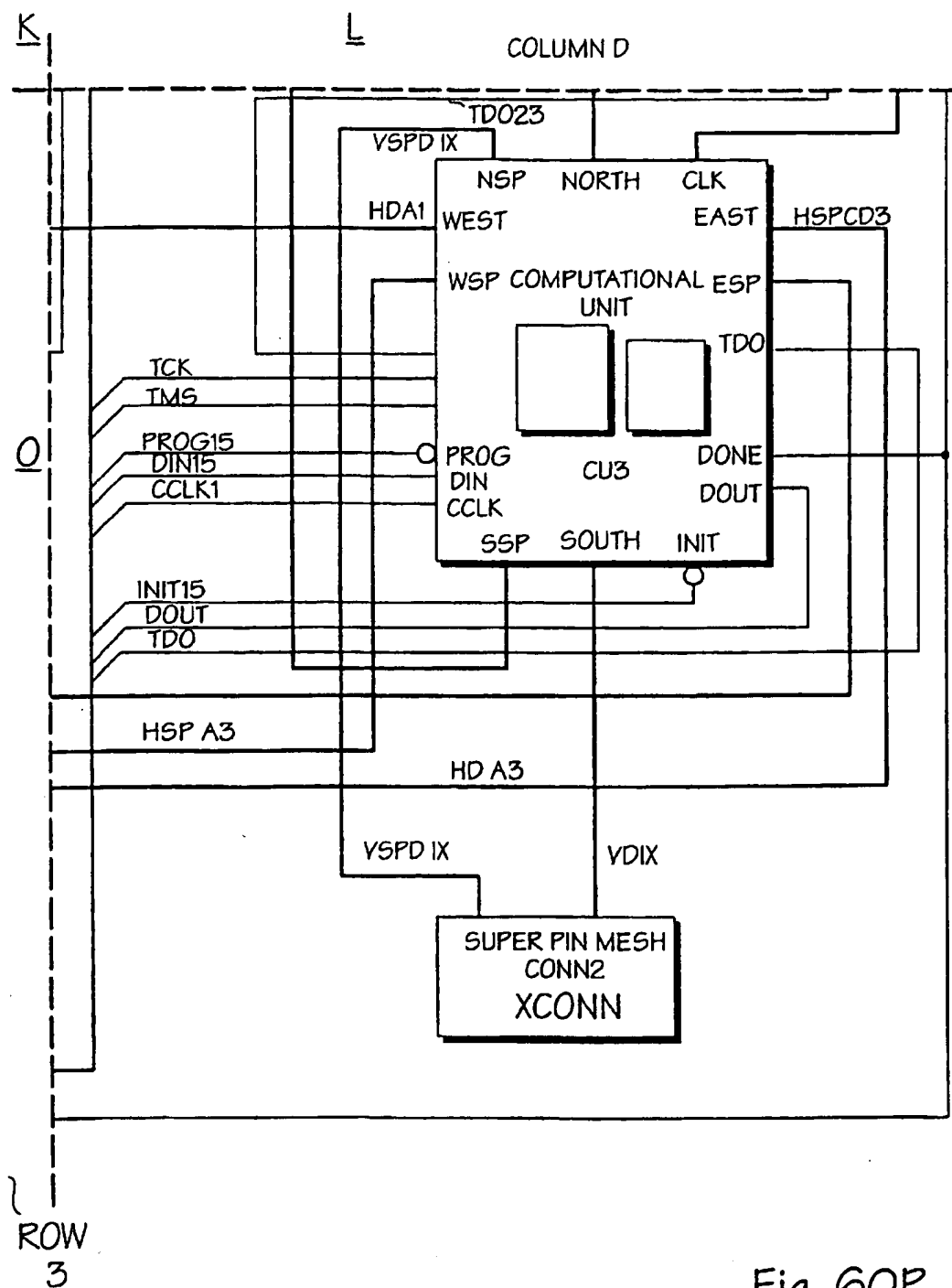


Fig. 60P

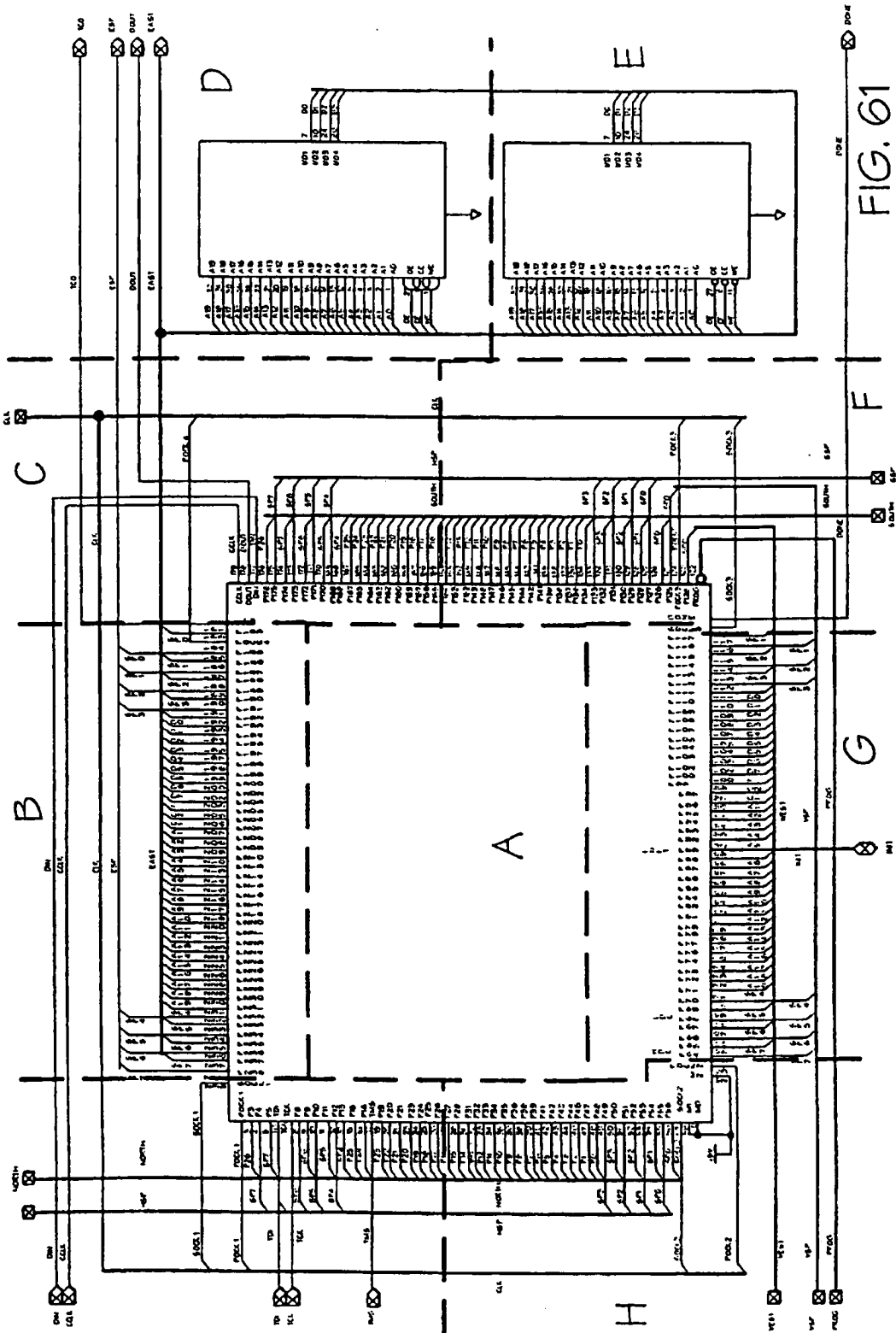


FIG. 61

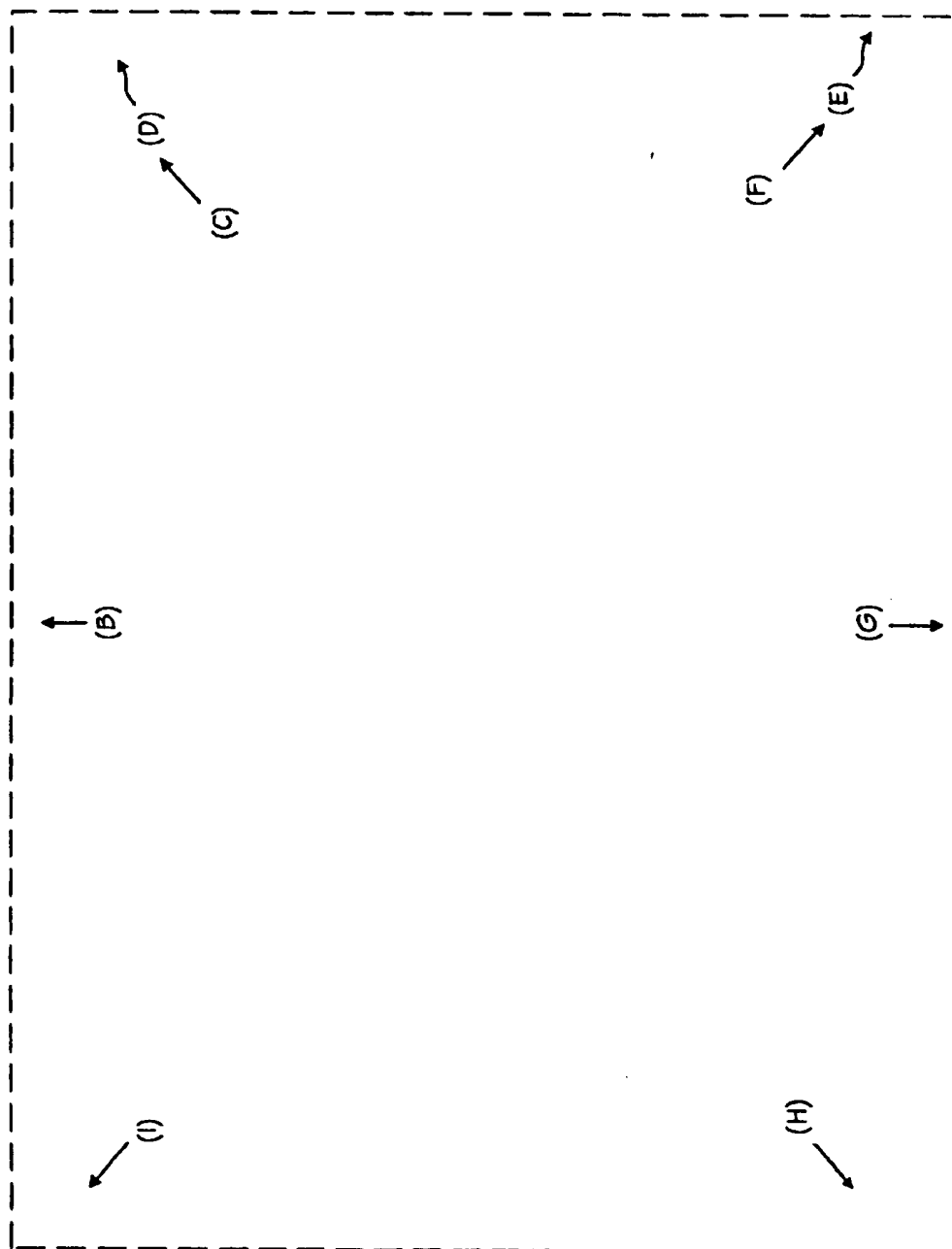


FIG. 61(A)

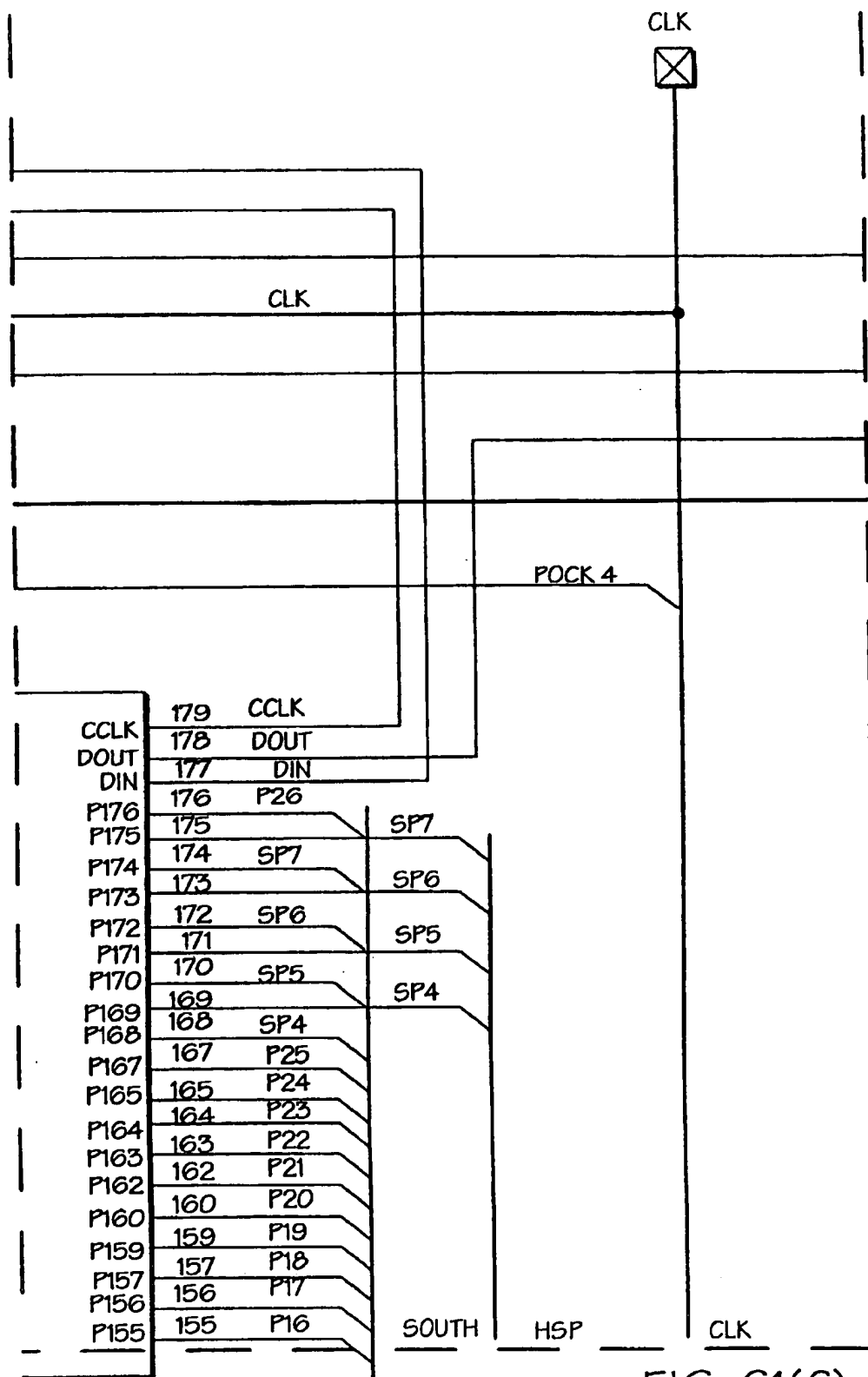


FIG. 61(C)

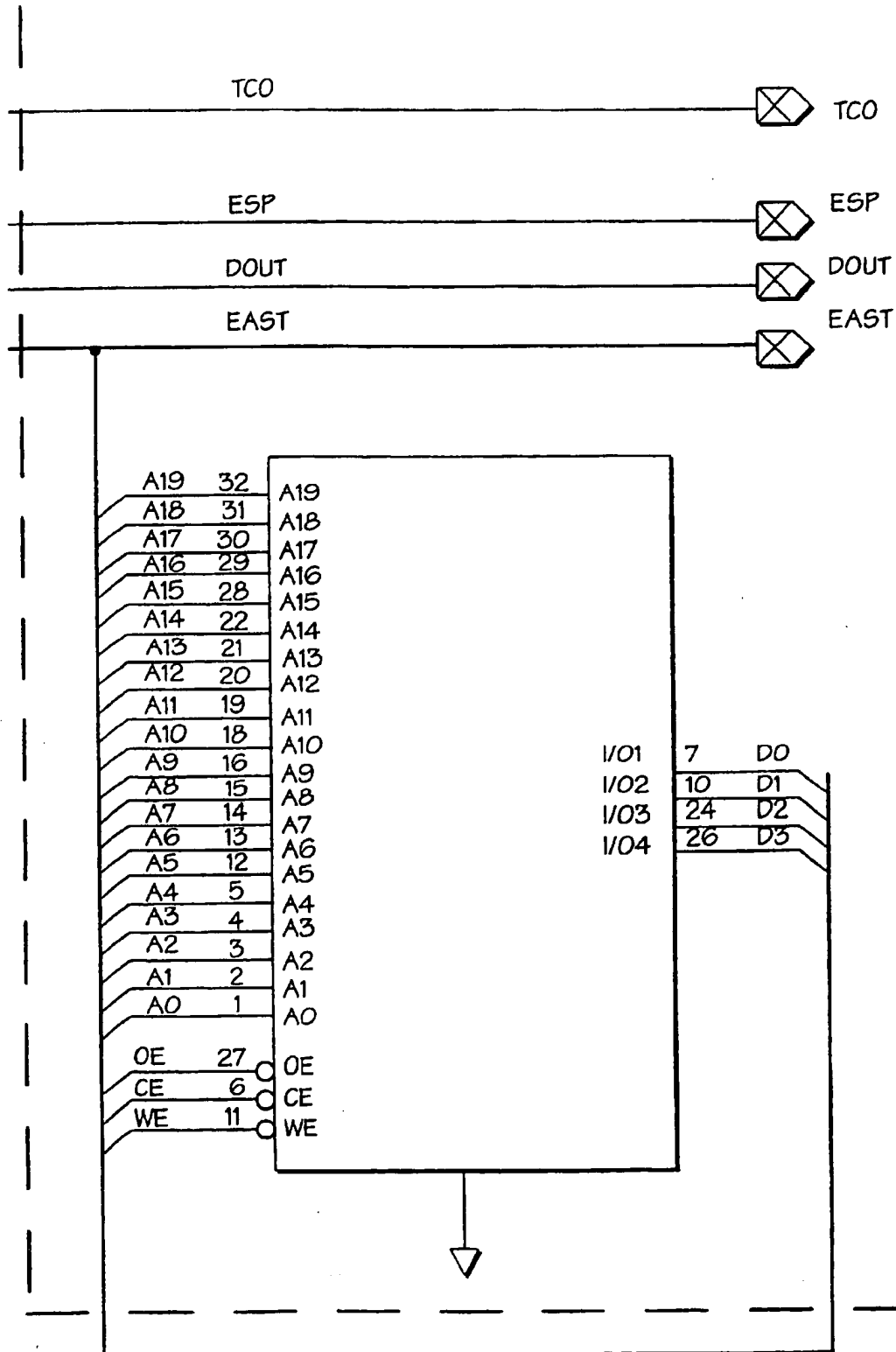


FIG. 61(D)

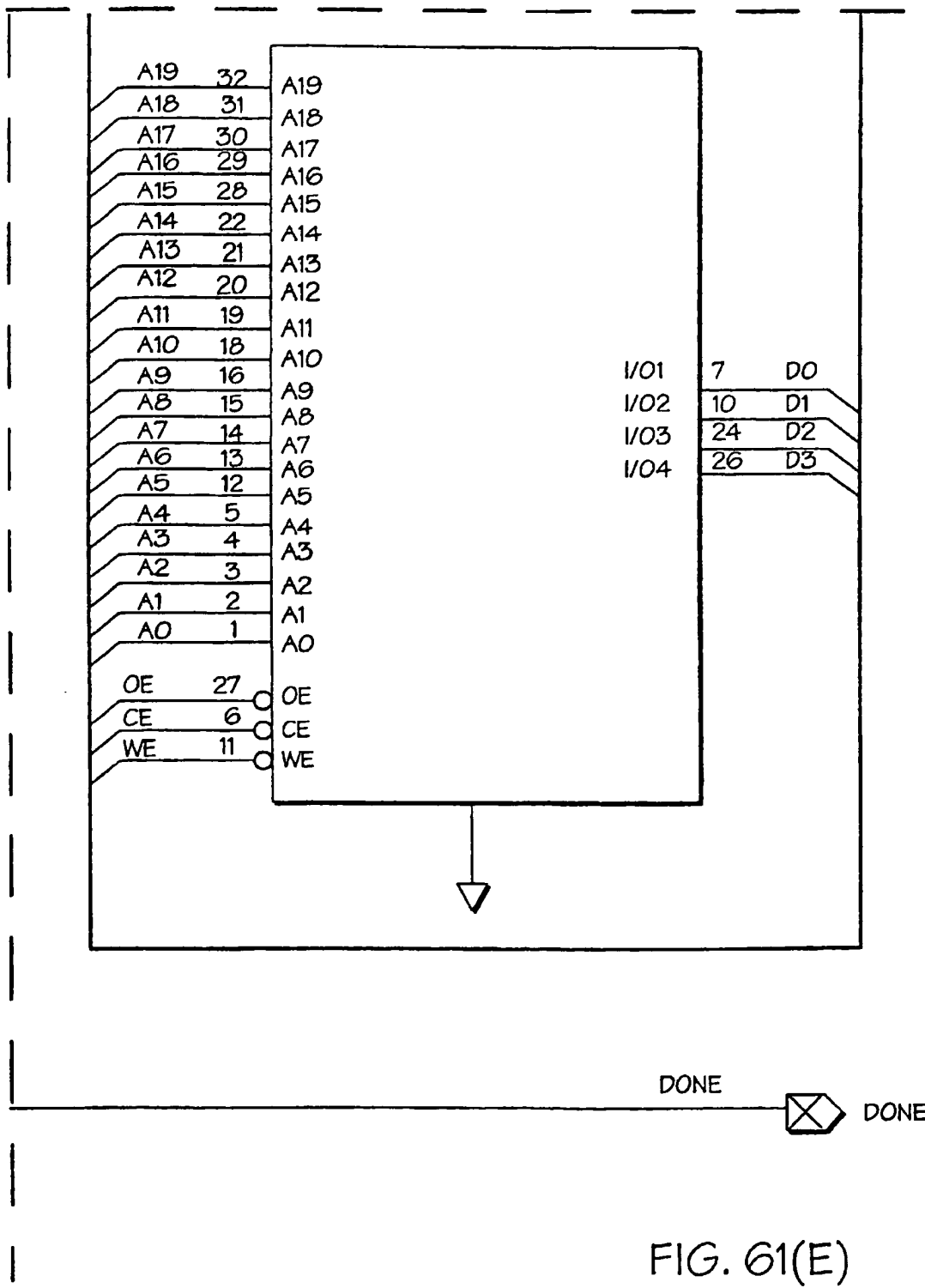
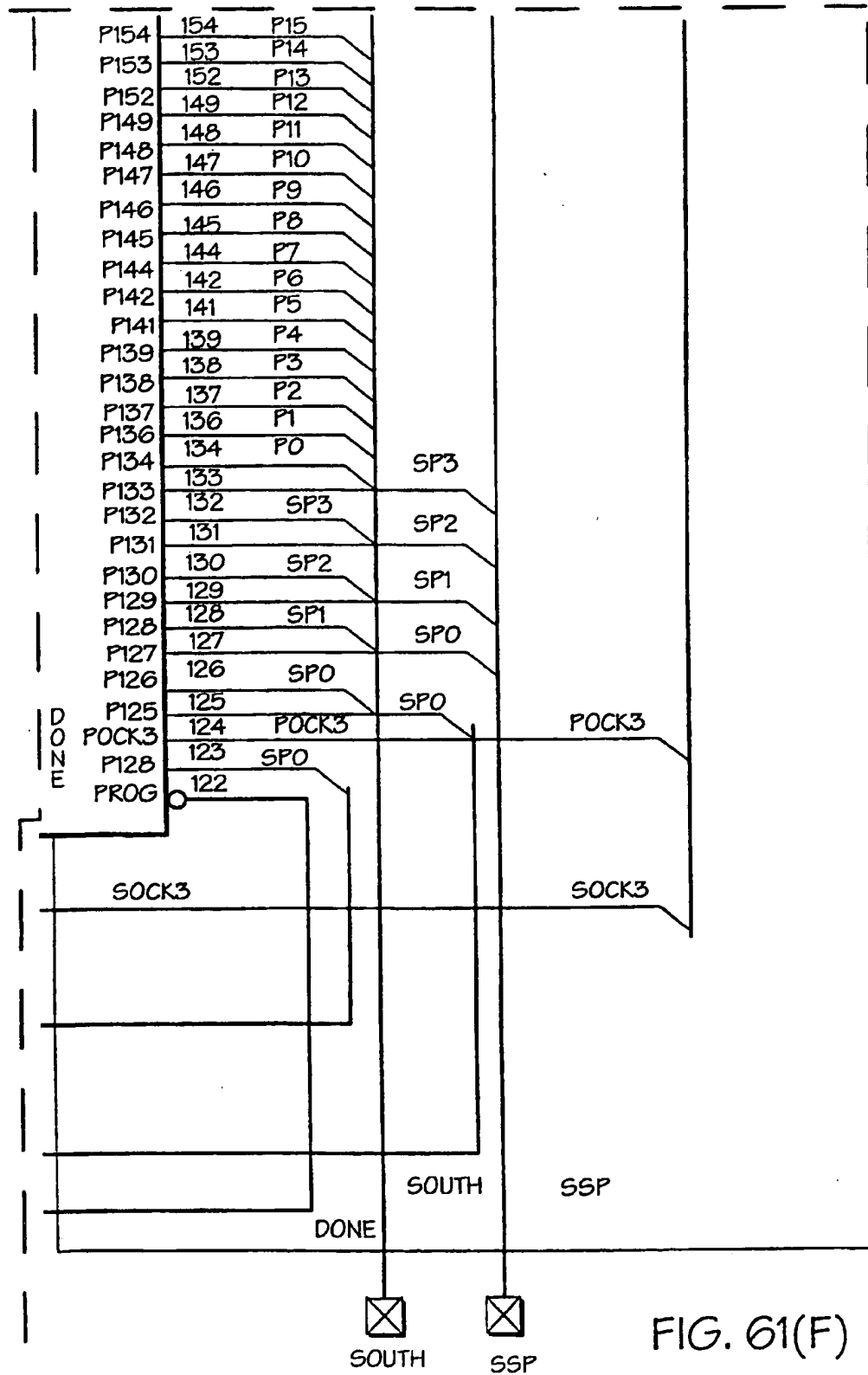
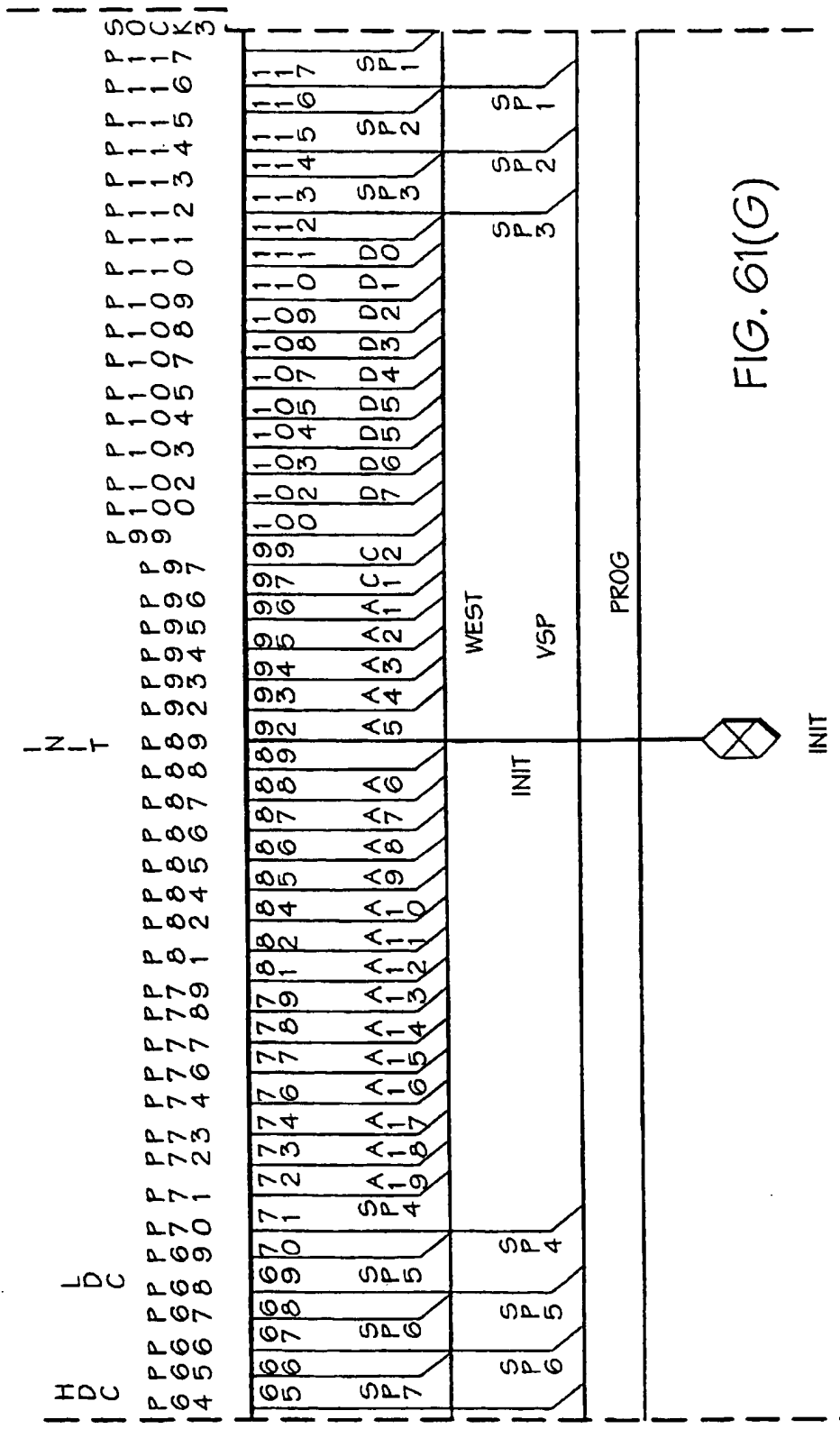


FIG. 61(E)





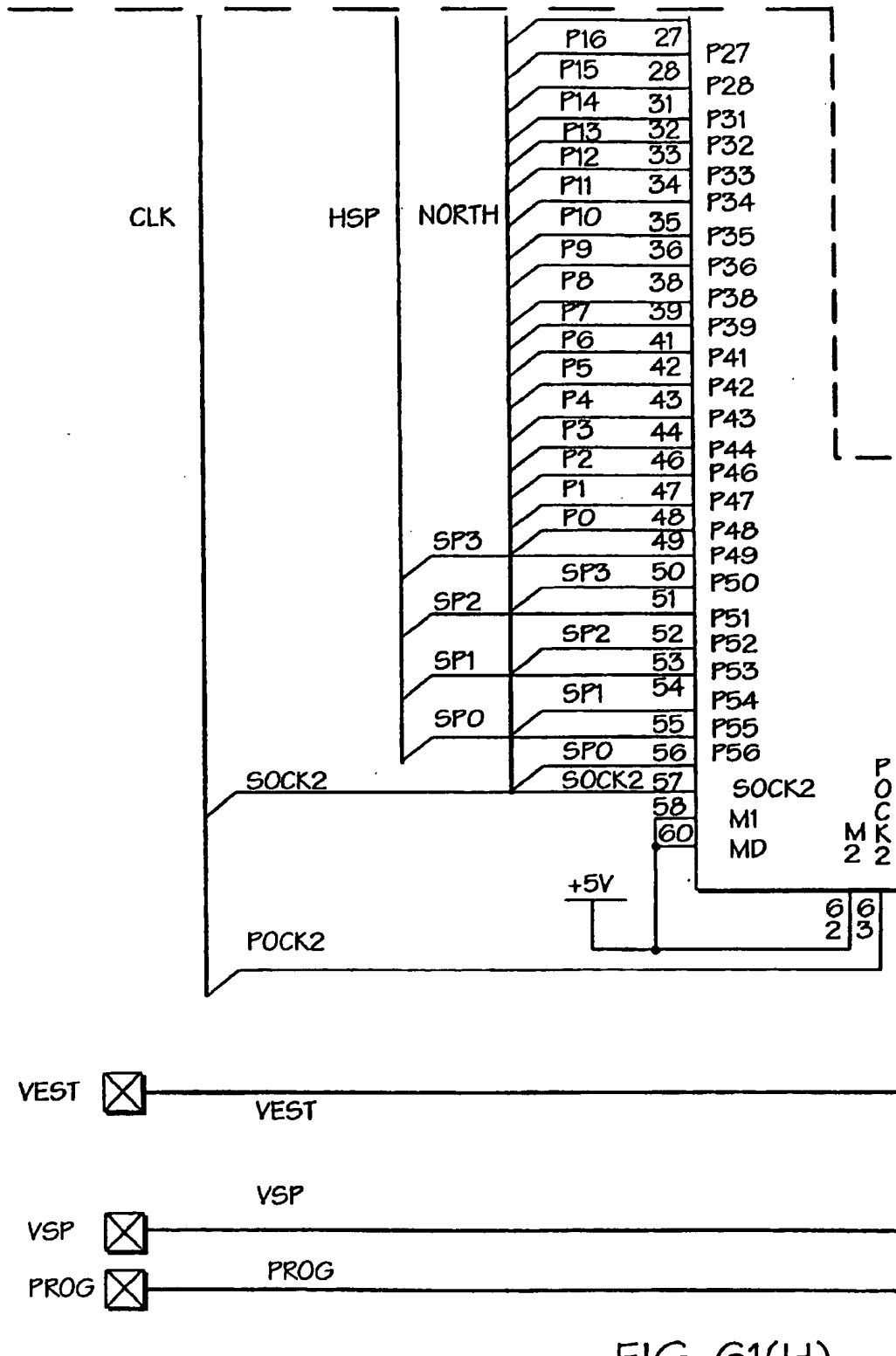


FIG. 61(H)

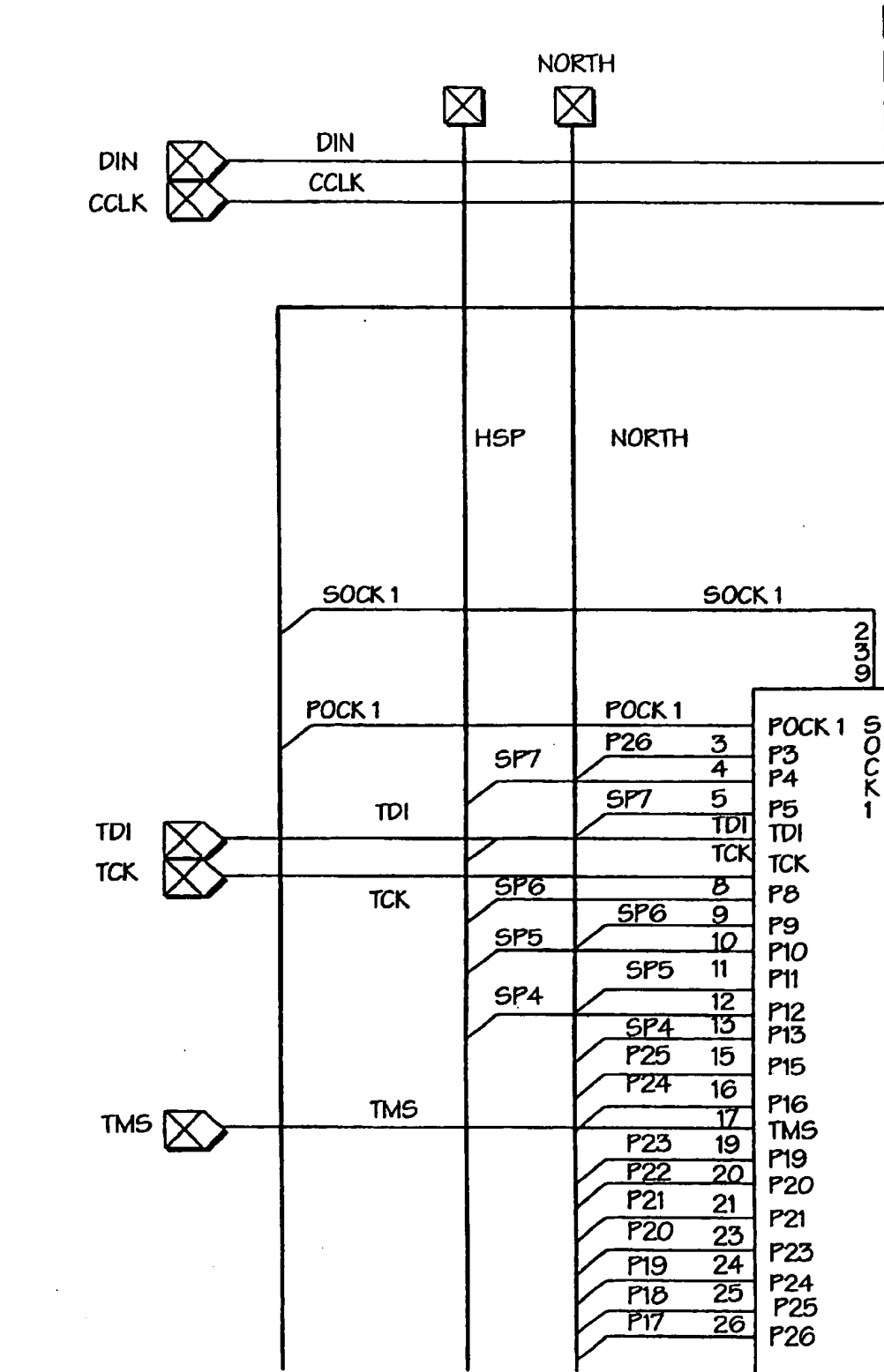


FIG. 61(I)

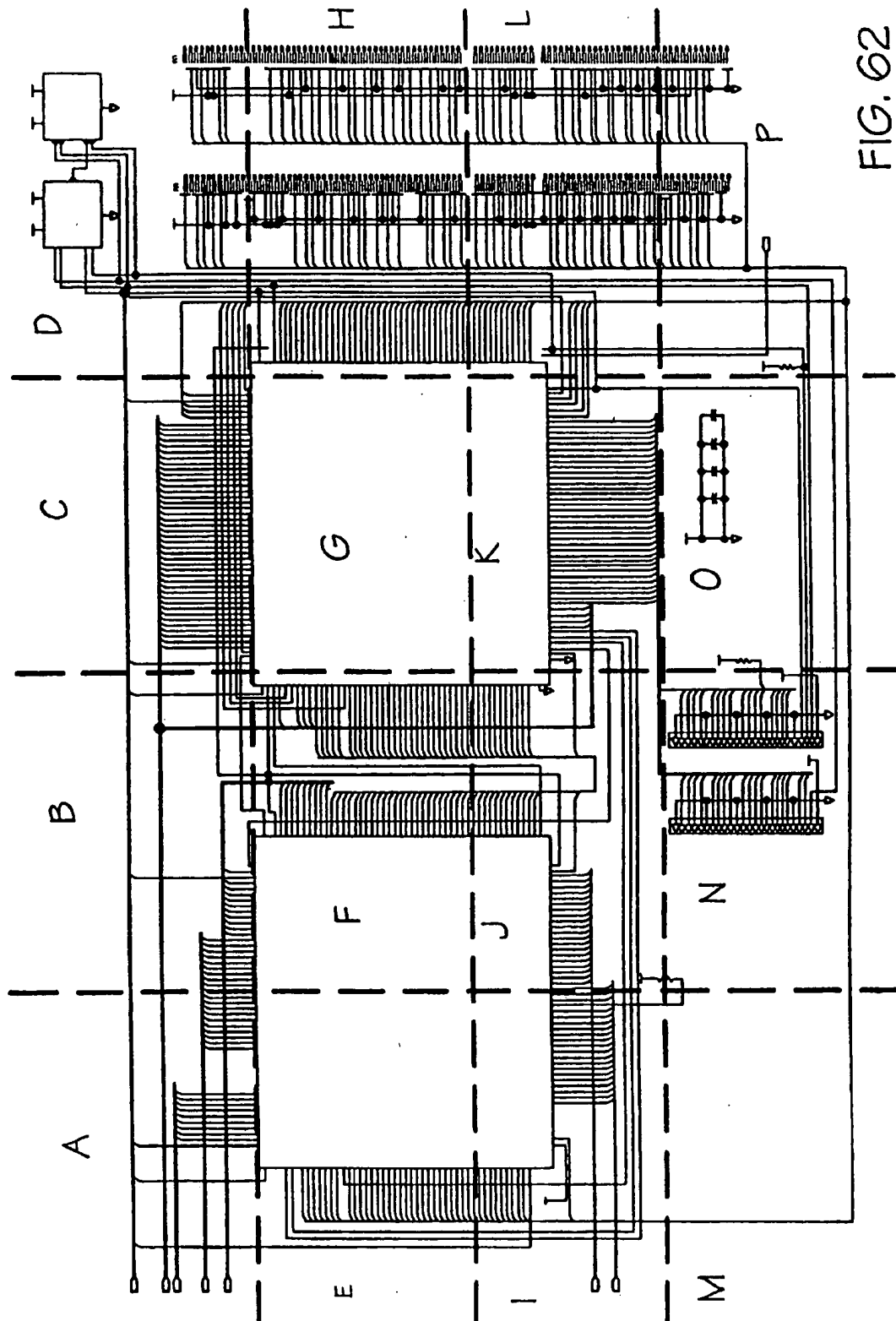
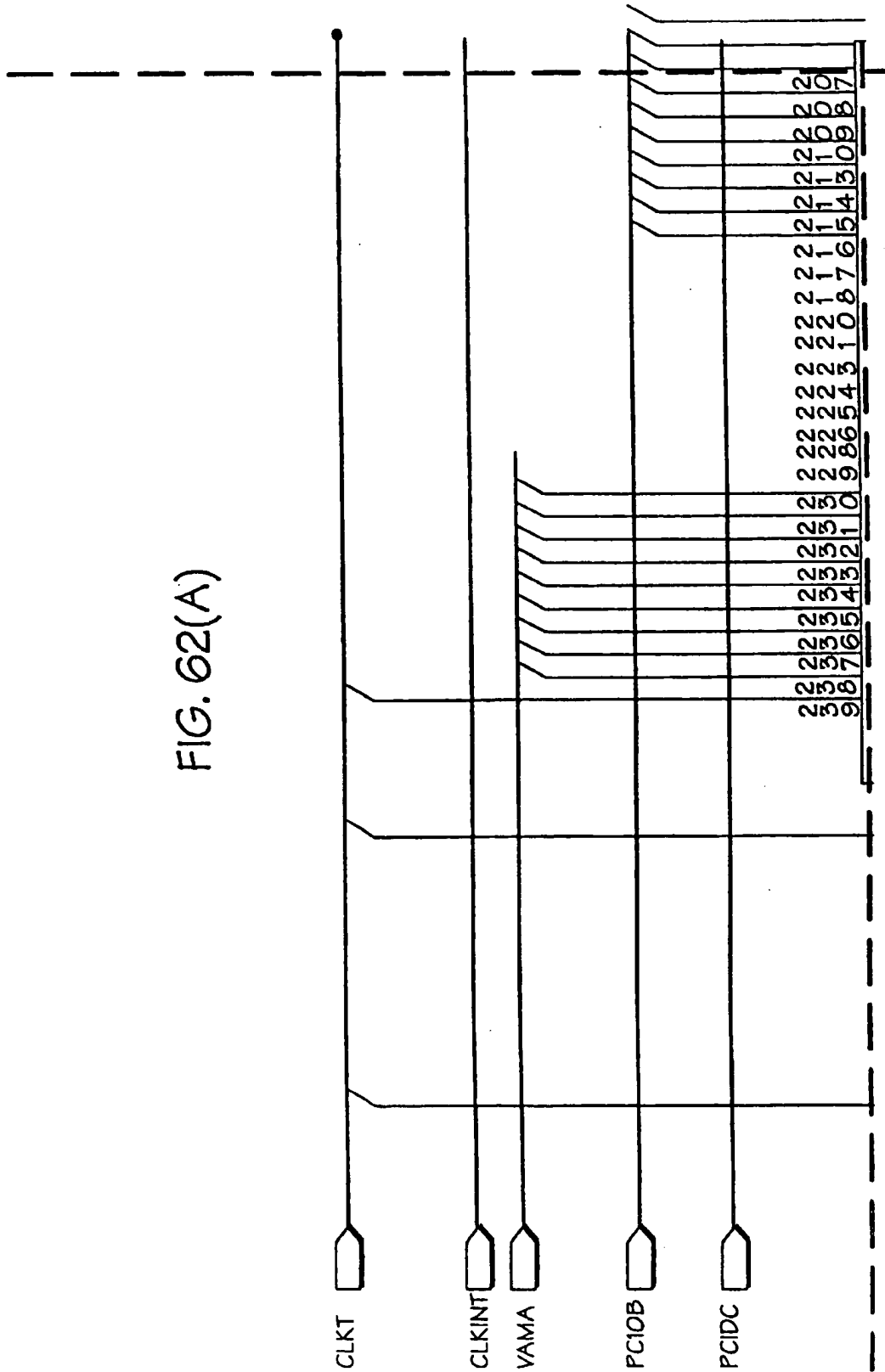


FIG. 62

FIG. 62(A)



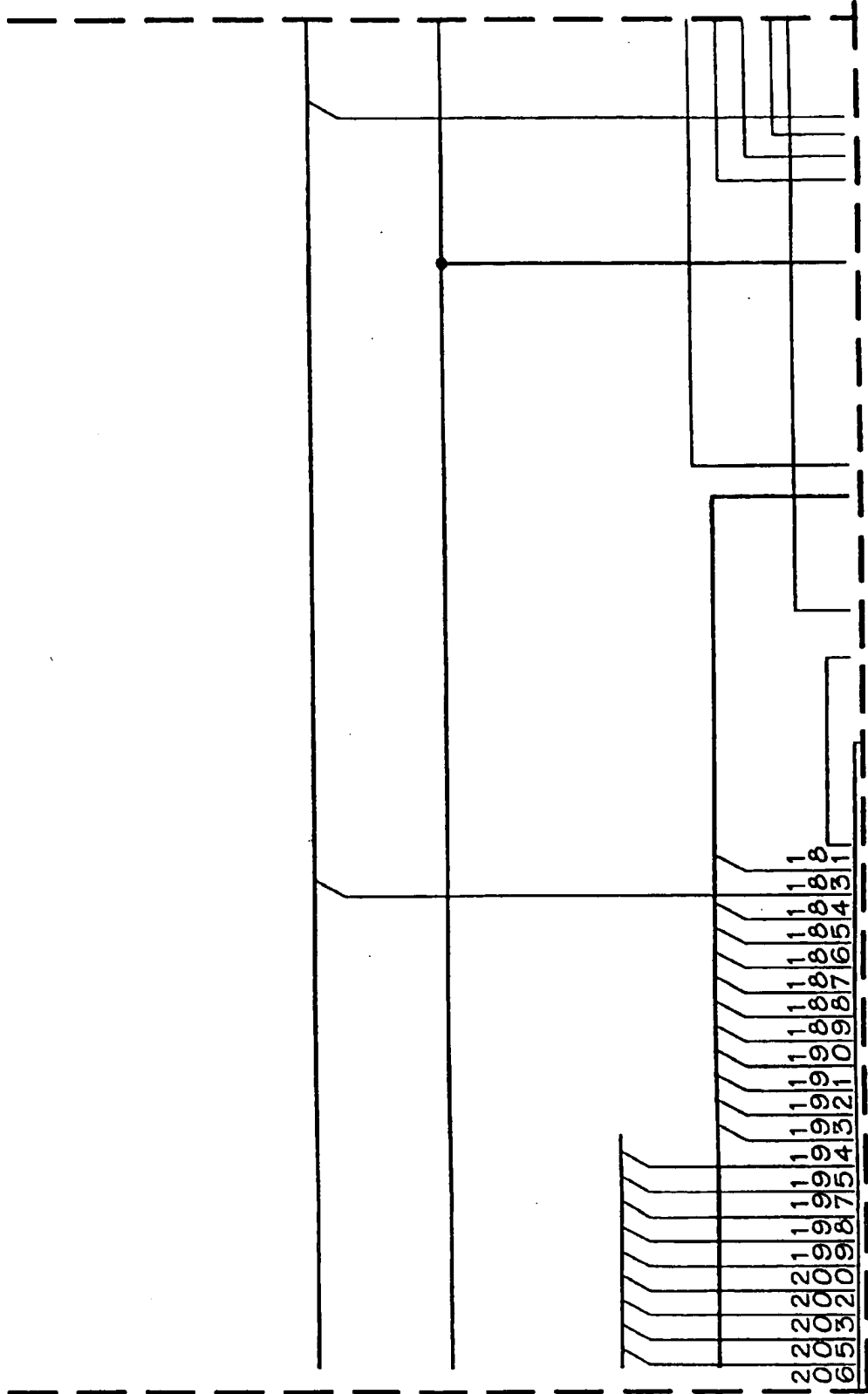
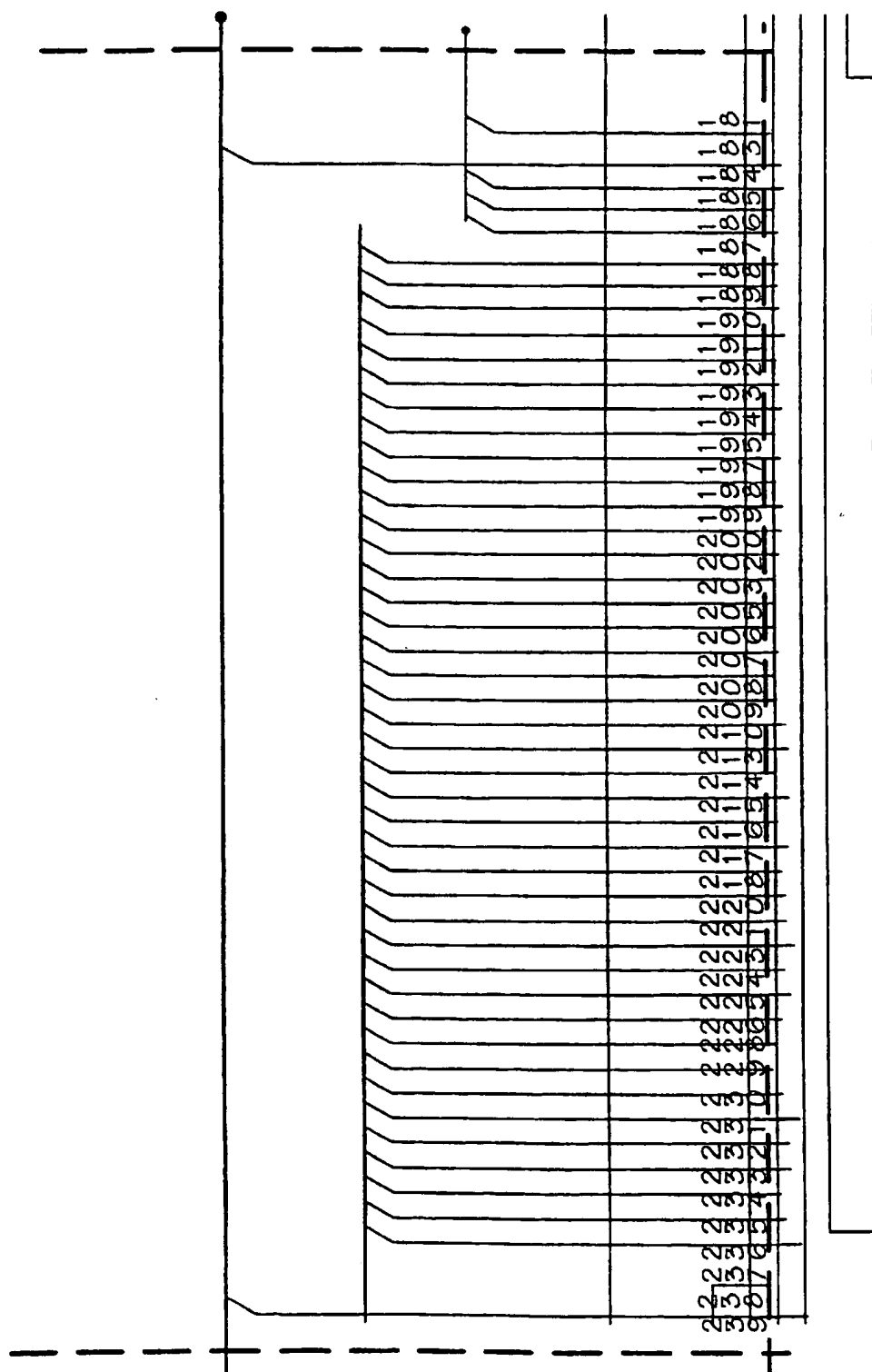


FIG. 62(B)



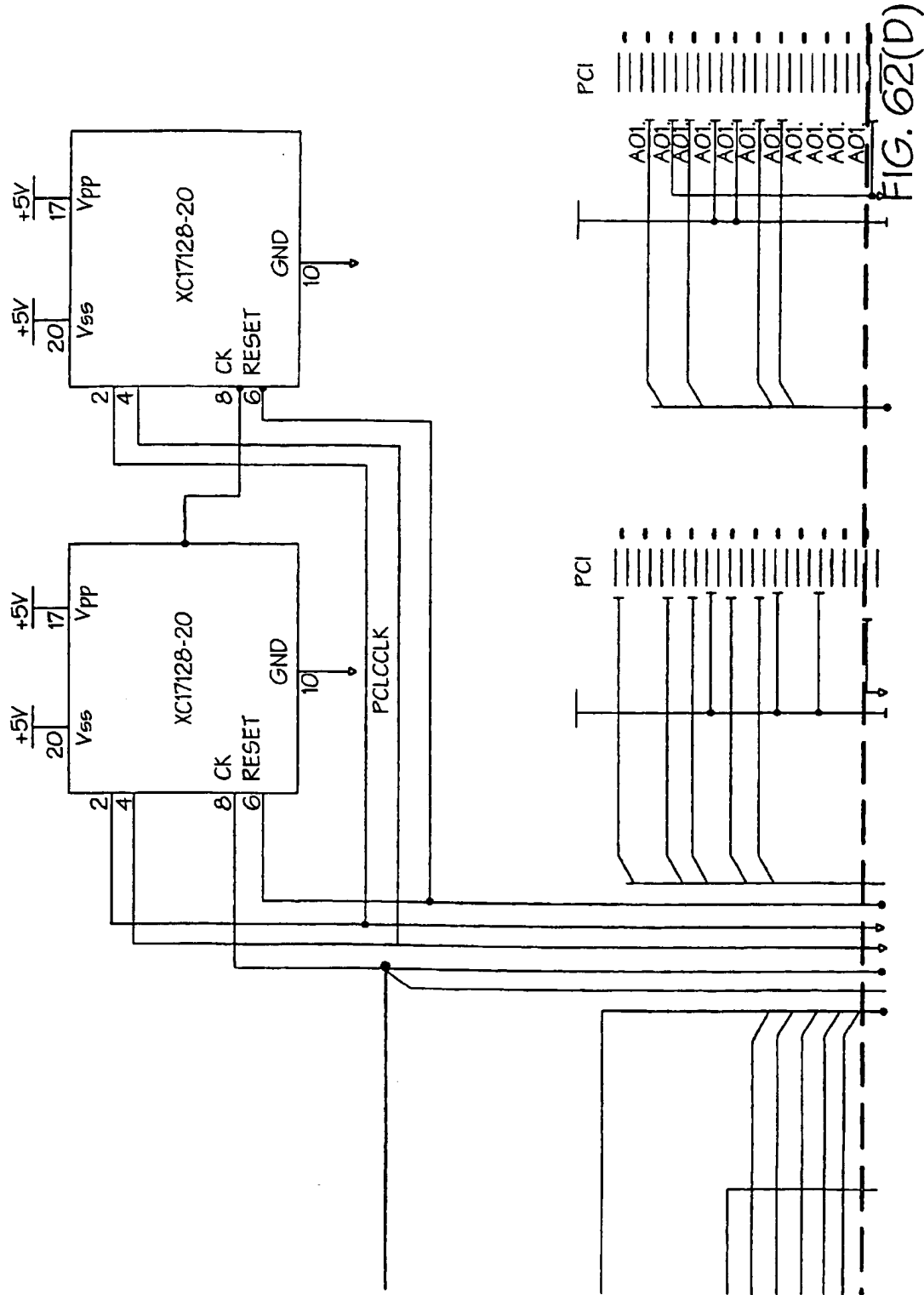
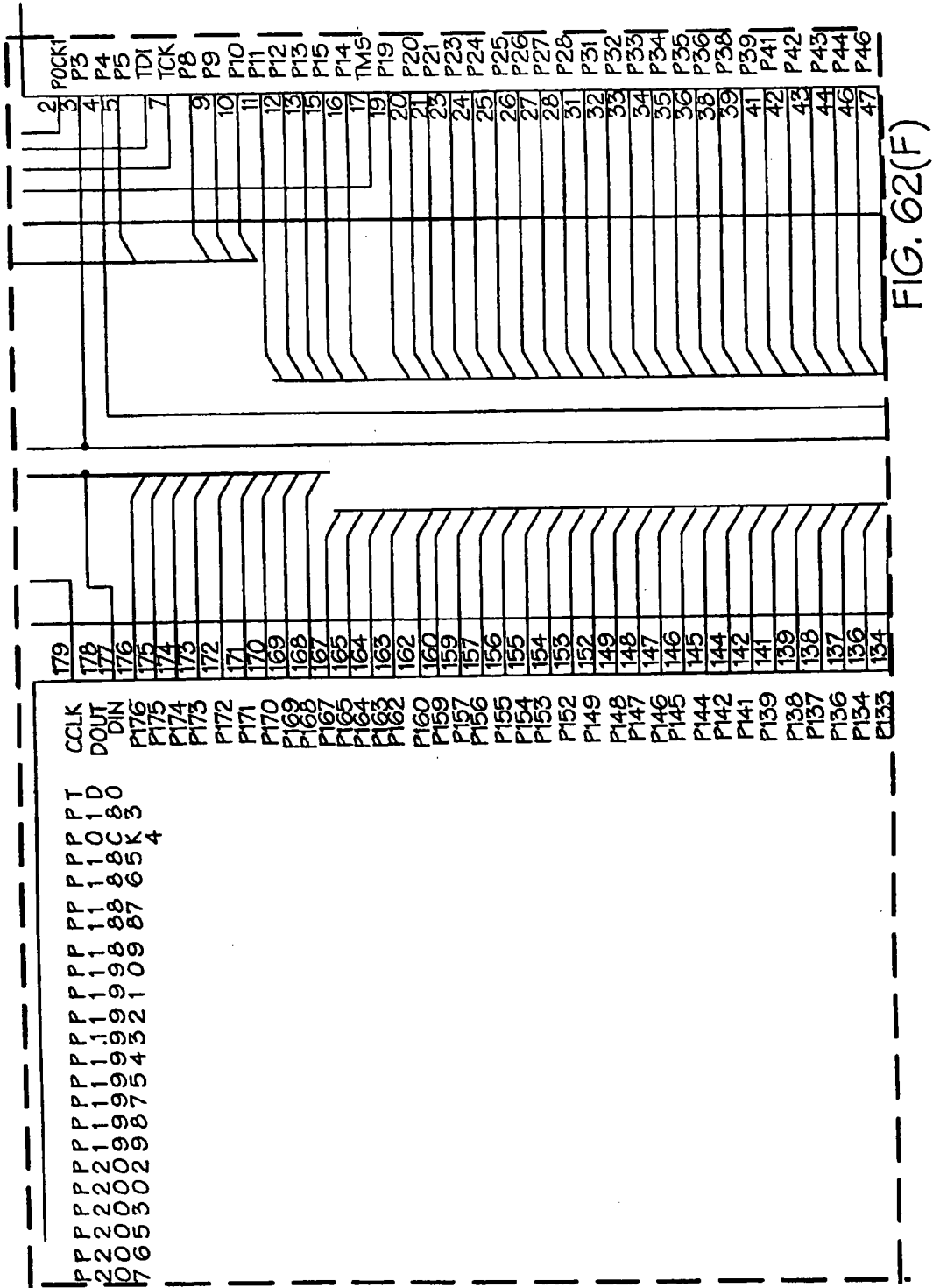


FIG. 62(D)

[illegible]



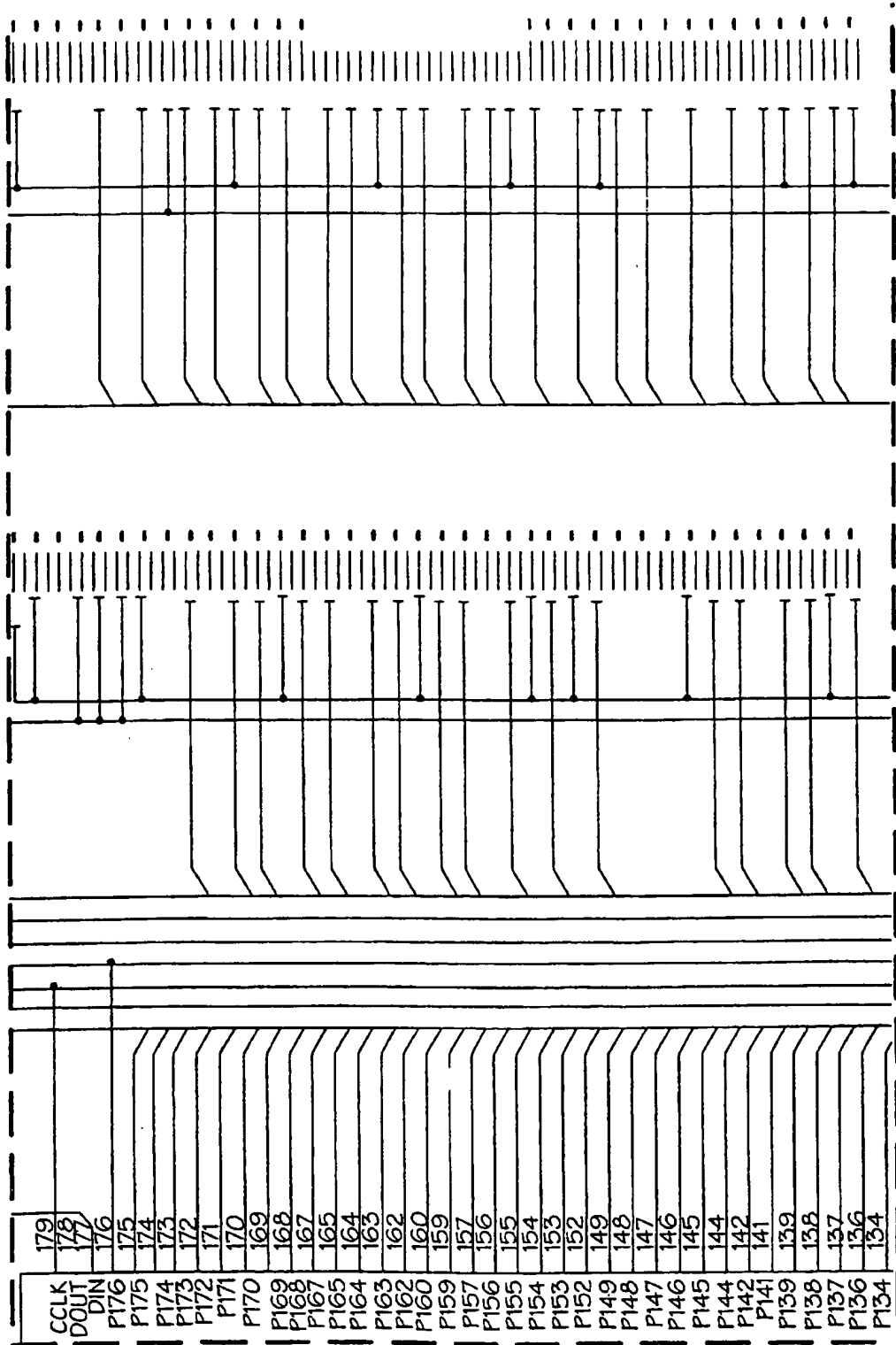
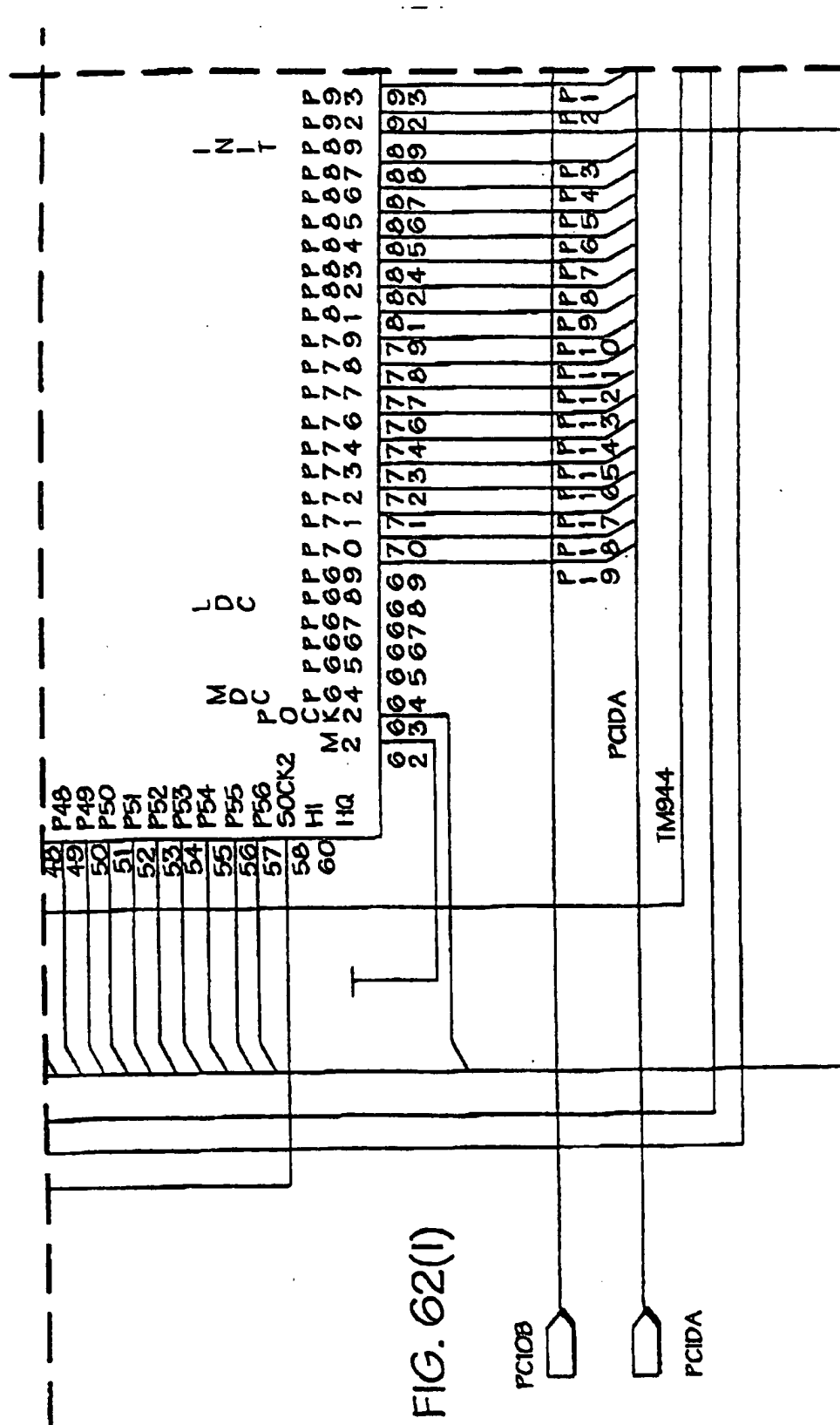


FIG. 62(H)



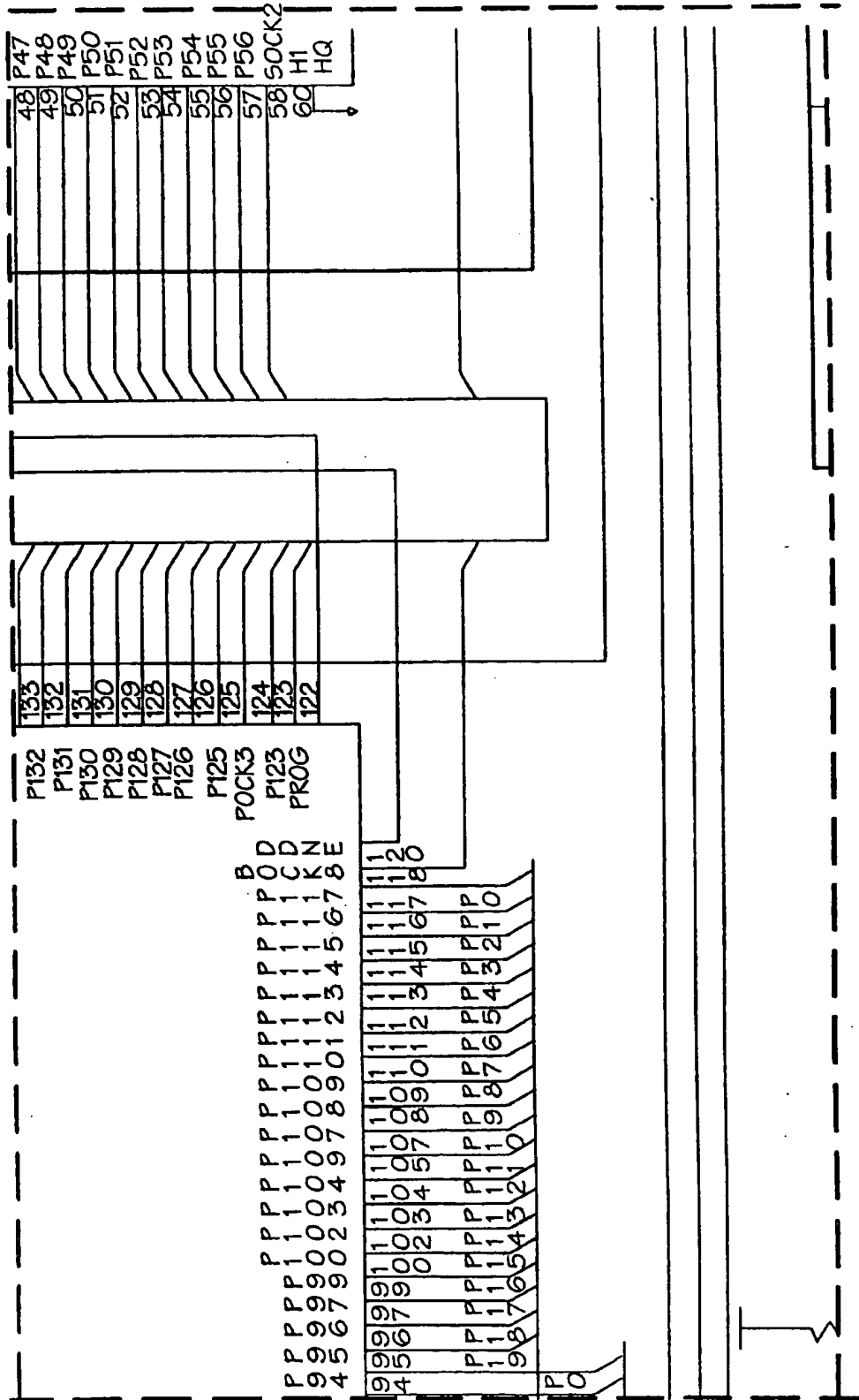
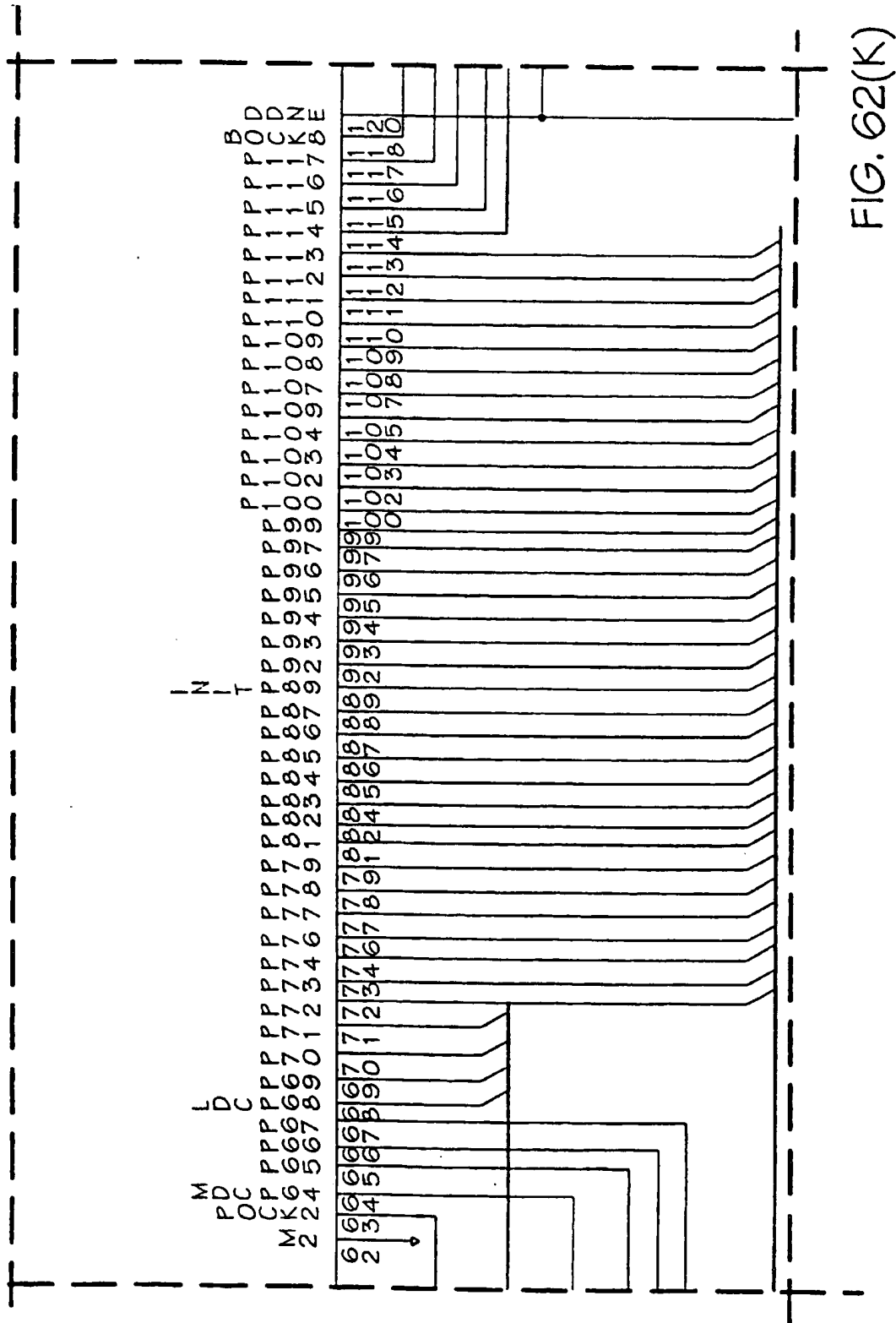


FIG. 62(J)



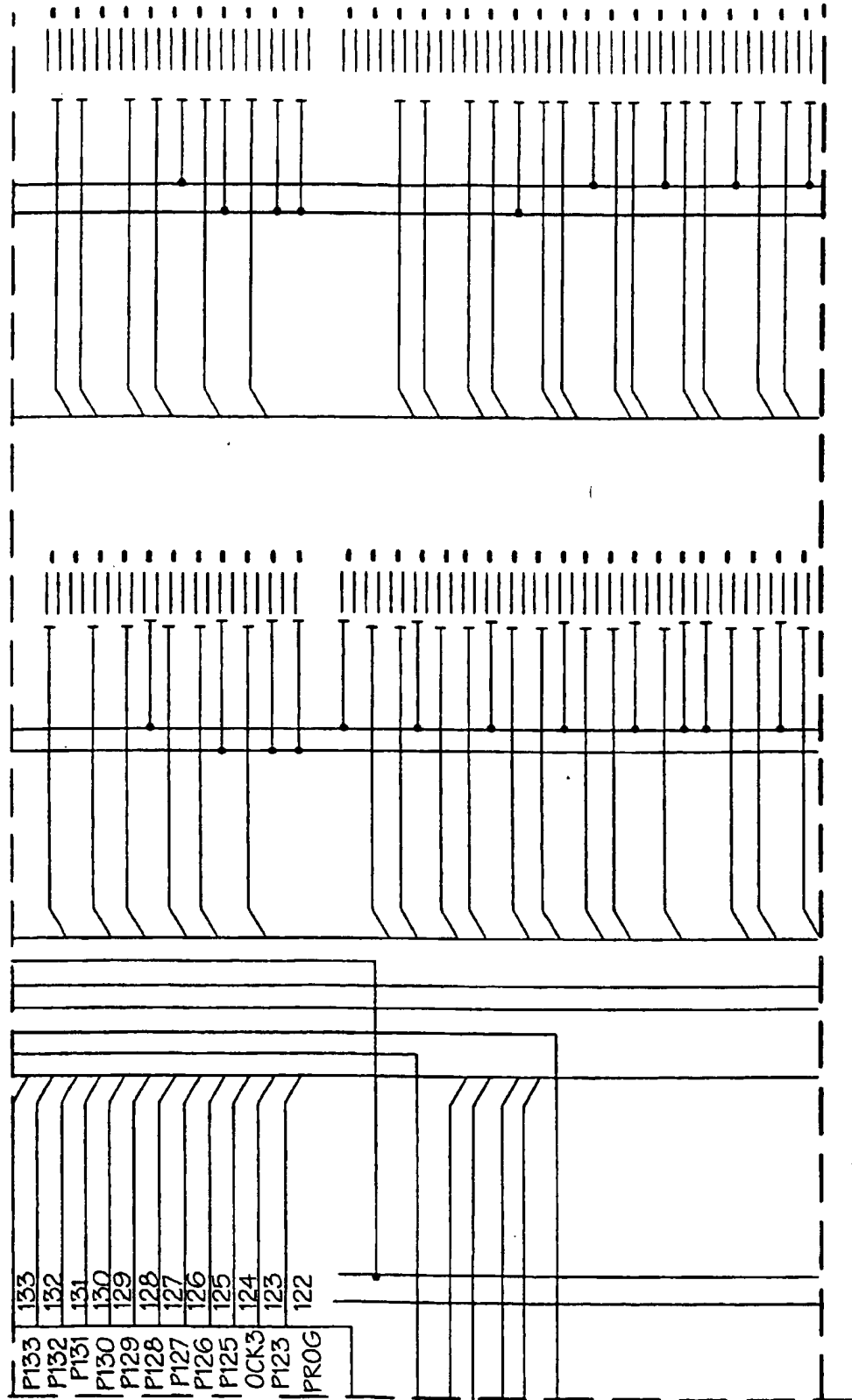


FIG. 62(L)

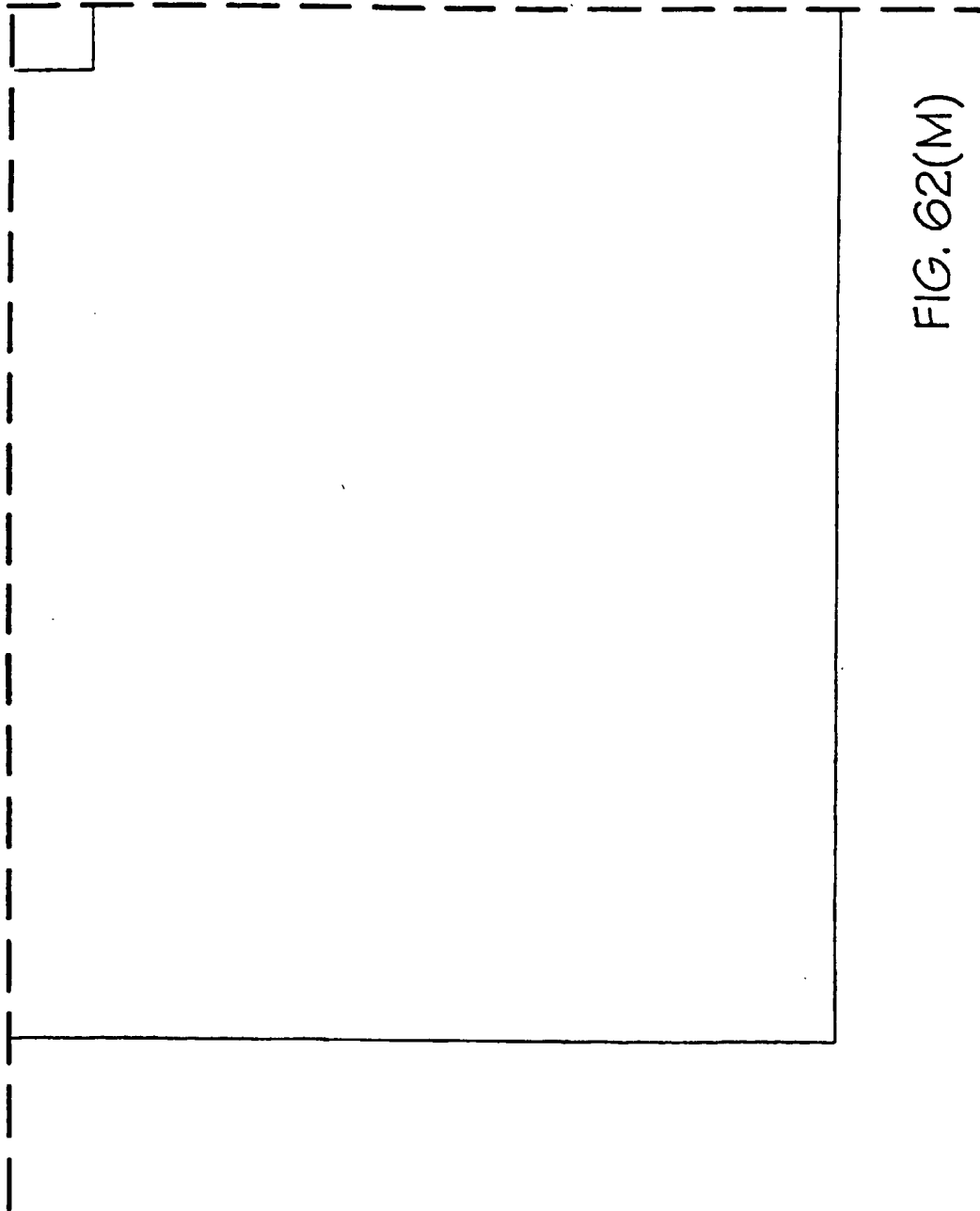


FIG. 62(M)

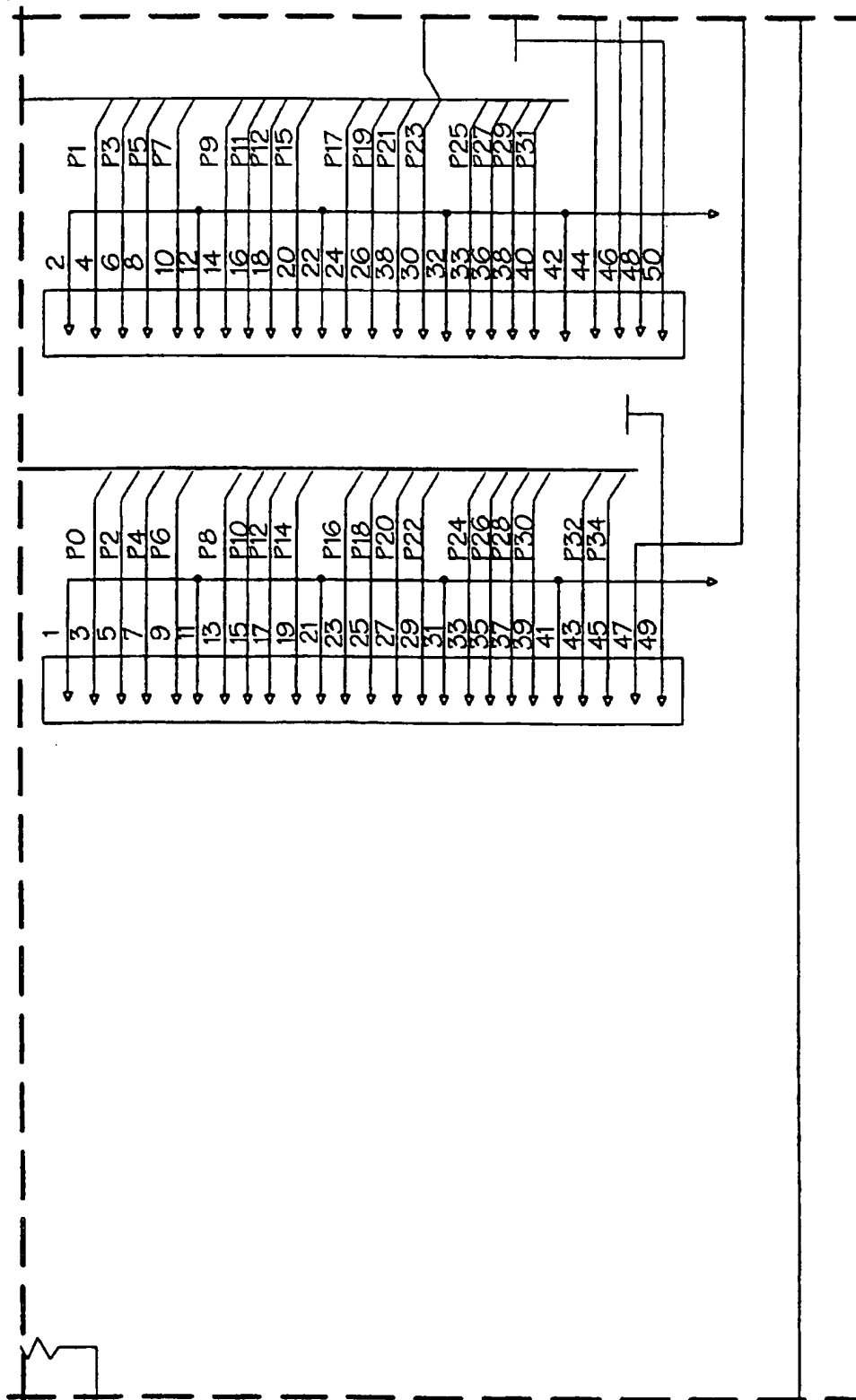


FIG. 62(N)

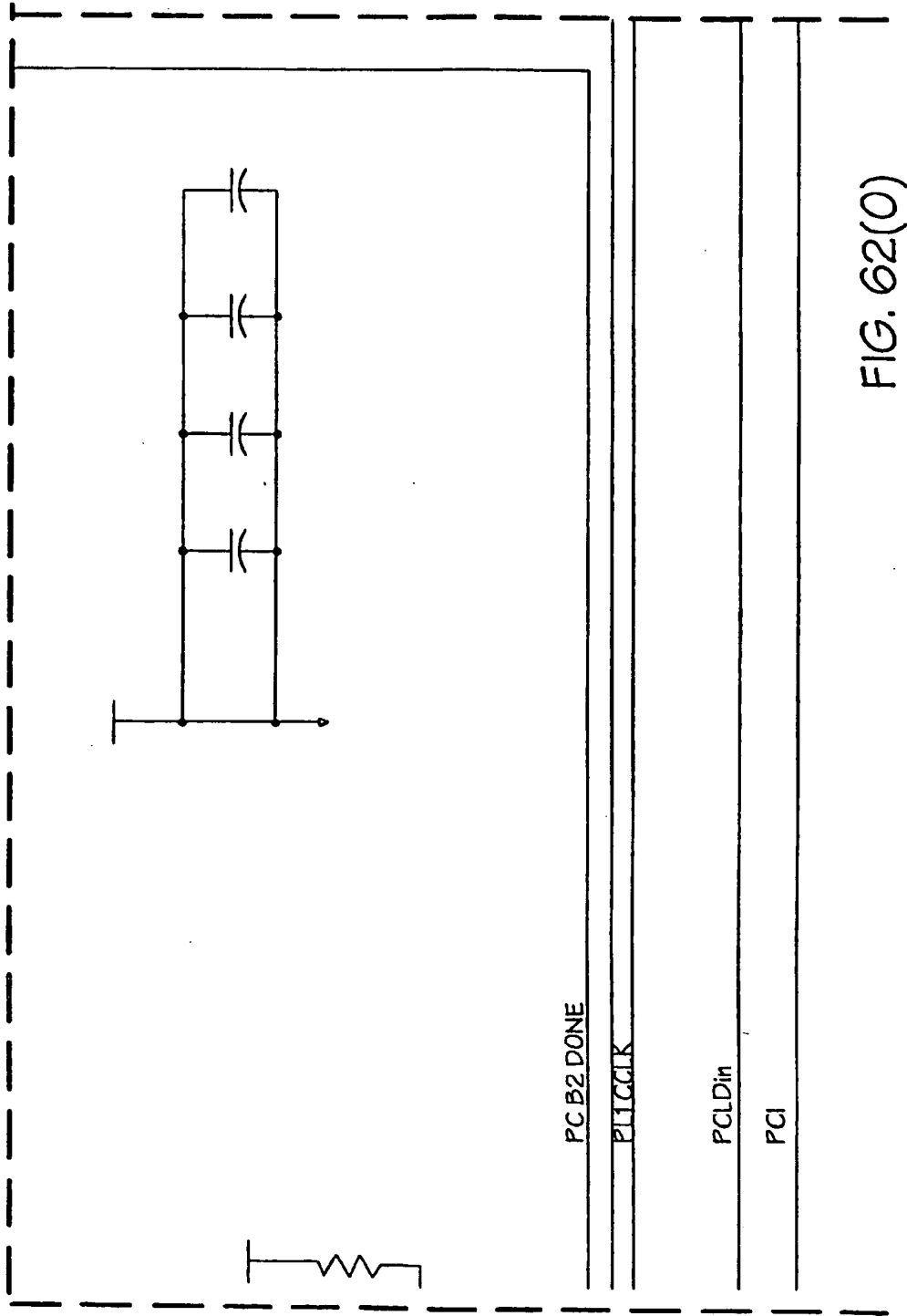
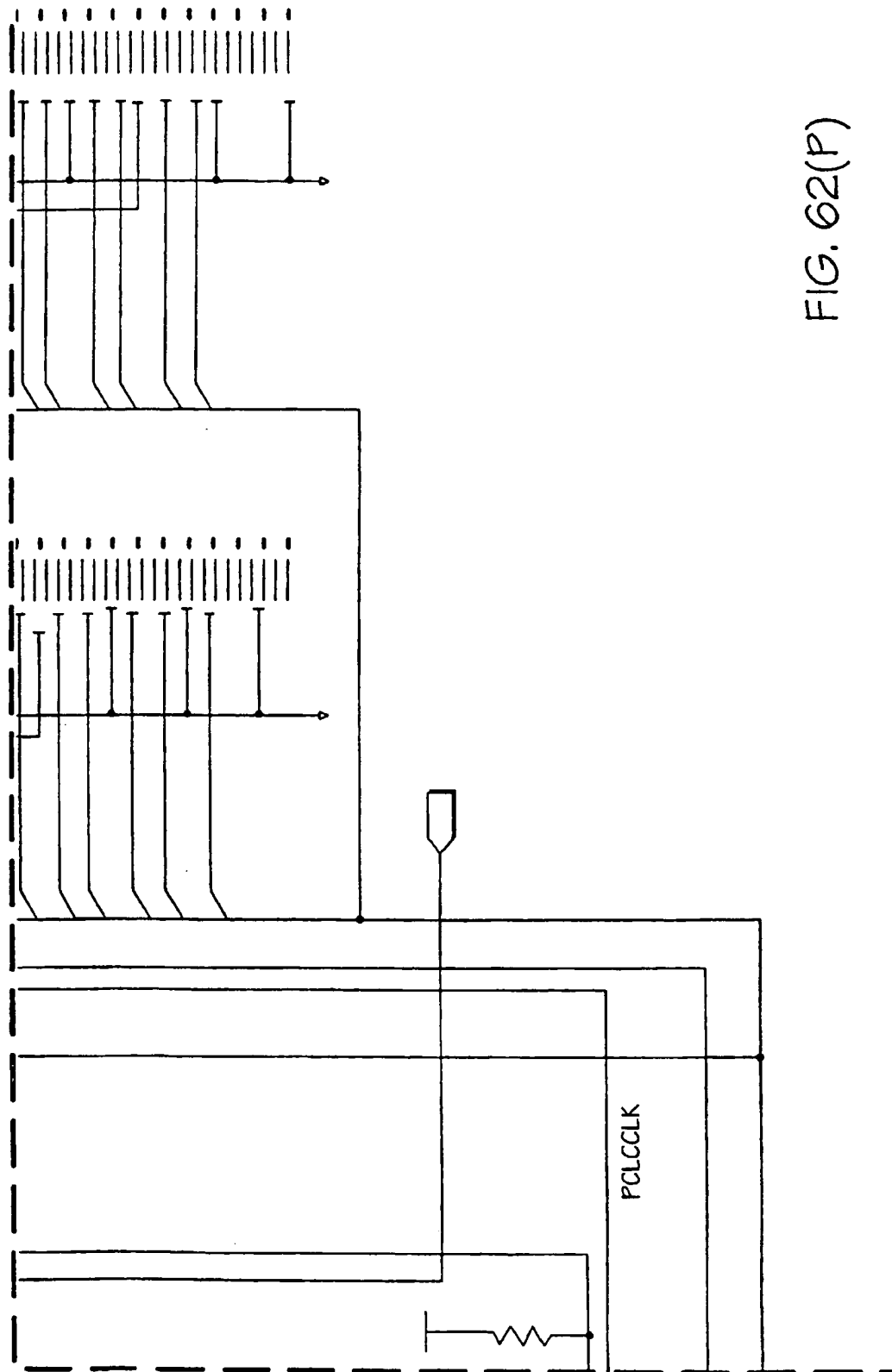


FIG. 62(0)

FIG. 62(P)



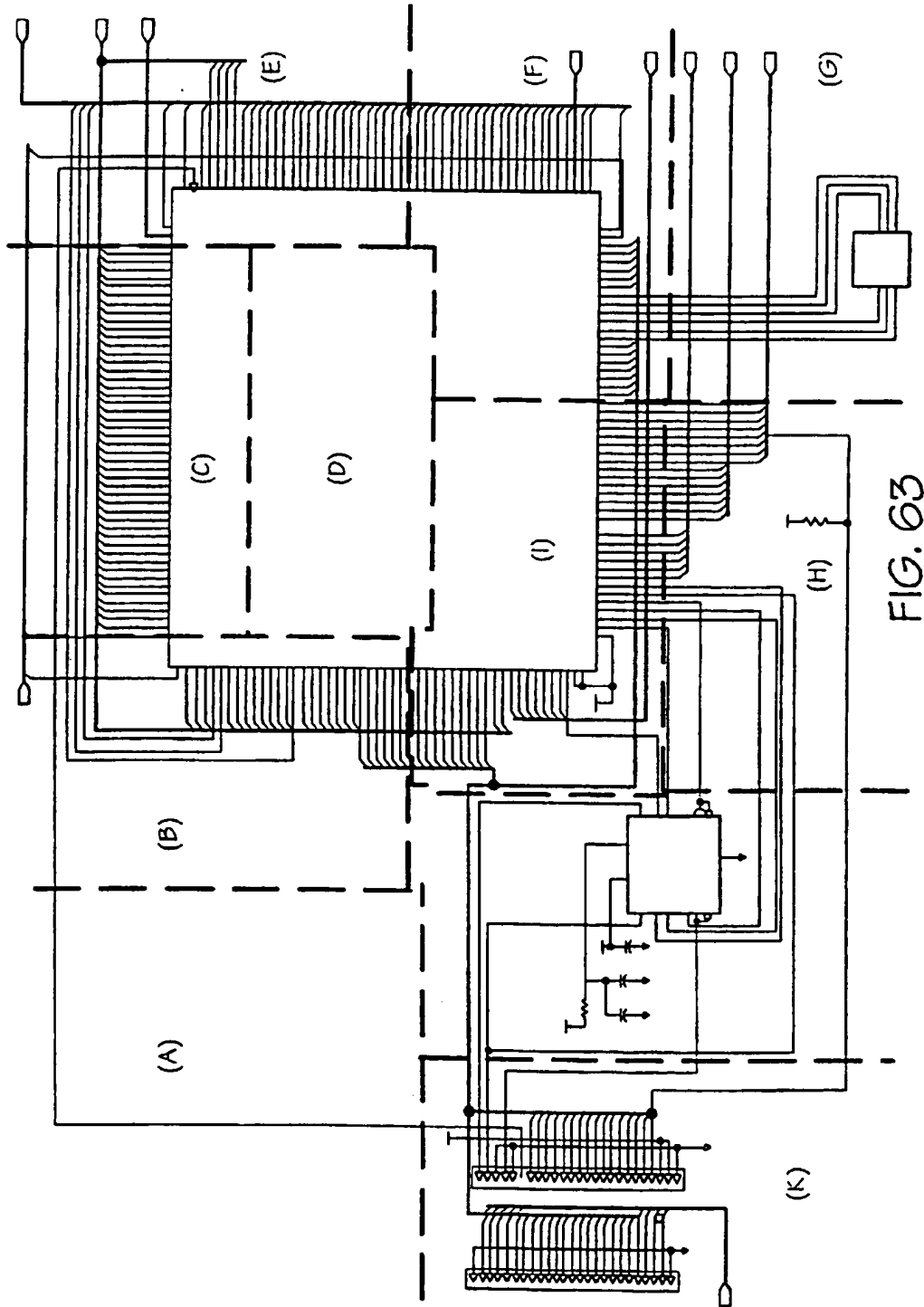
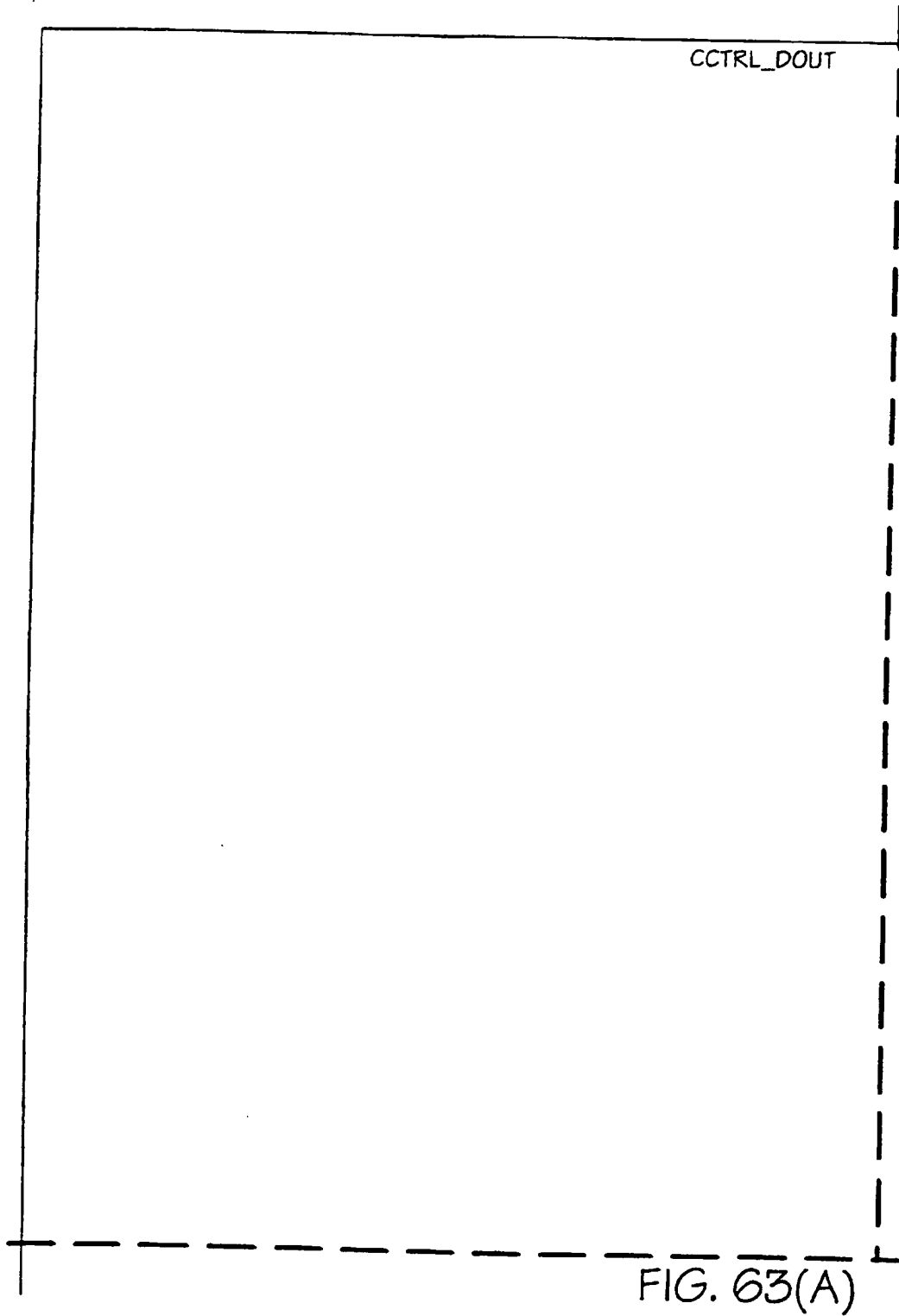


FIG. 63



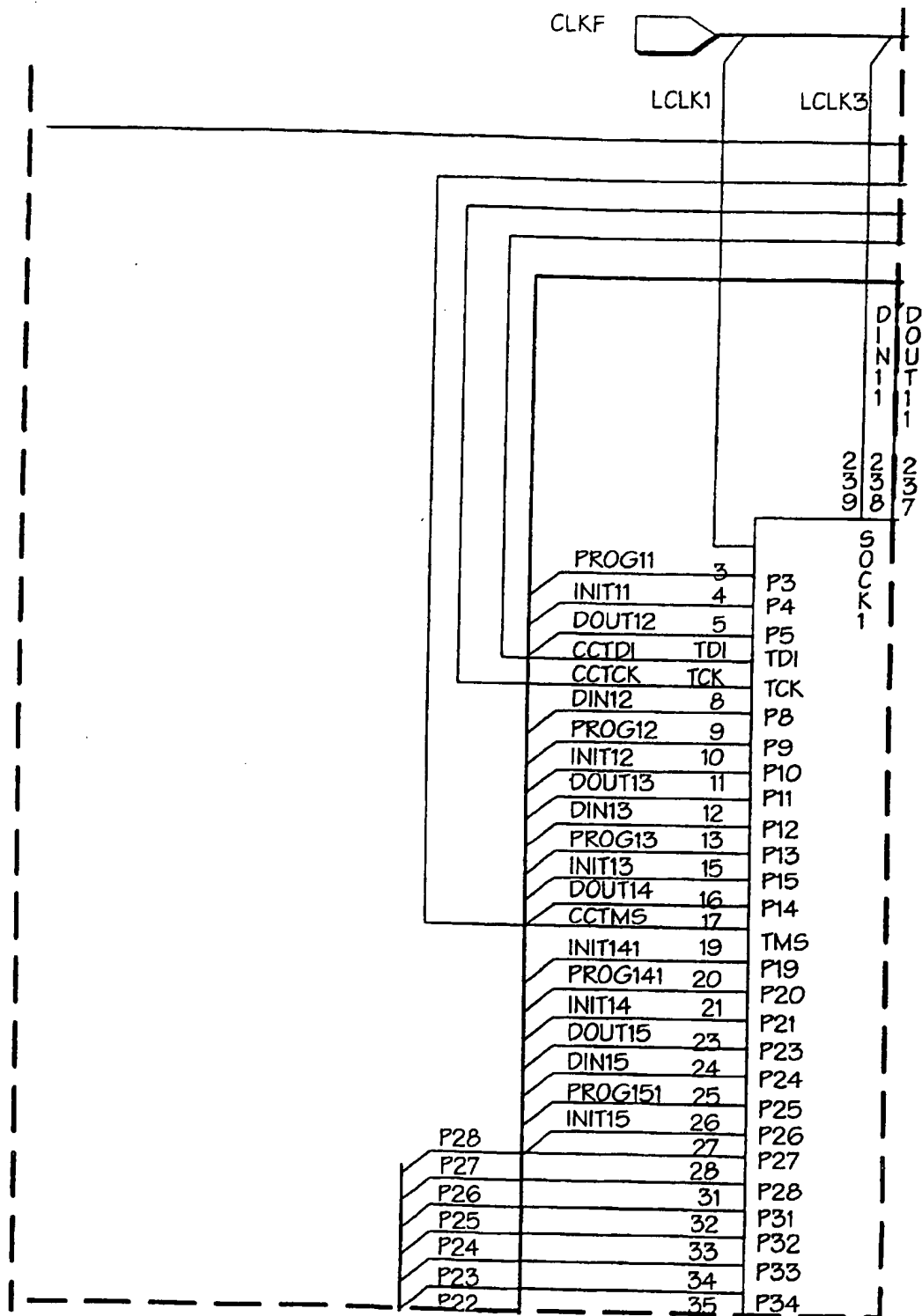


FIG. 63(B)

DOU-0	184	P
D-N0	185	P
PROG0	186	P
-N-T0	187	P
DOU-1	188	P
D-N1	189	P
PROG1	190	P
-N-T1	191	P
DOU-2	192	P
D-N2	193	P
PROG2	194	P
-N-T2	195	P
DOU-3	196	P
D-N3	197	P
PROG3	198	P
-N-T3	199	P
DOU-4	200	P
D-N4	201	P
PROG4	202	P
-N-T4	203	P
DOU-5	204	P
D-N5	205	P
PROG5	206	P
-N-T5	207	P
DOU-6	208	P
D-N6	209	P
PROG6	210	P
-N-T6	211	P
DOU-7	212	P
D-N7	213	P
PROG7	214	P
-N-T7	215	P
DOU-8	216	P
D-N8	217	P
PROG8	218	P
-N-T8	219	P
DOU-9	220	P
D-N9	221	P
PROG9	222	P
-N-T9	223	P
DOU-10	224	P
D-N10	225	P
PROG10	226	P
-N-T10	227	P
DOU-11	228	P
D-N11	229	P
PROG11	230	P
-N-T11	231	P
DOU-12	232	P
D-N12	233	P
PROG12	234	P
-N-T12	235	P
DOU-13	236	P
D-N13	237	P
PROG13	238	P
-N-T13	239	P
DOU-14	240	P
D-N14	241	P
PROG14	242	P
-N-T14	243	P
DOU-15	244	P
D-N15	245	P
PROG15	246	P
-N-T15	247	P
DOU-16	248	P
D-N16	249	P
PROG16	250	P
-N-T16	251	P
DOU-17	252	P
D-N17	253	P
PROG17	254	P
-N-T17	255	P
DOU-18	256	P
D-N18	257	P
PROG18	258	P
-N-T18	259	P
DOU-19	260	P
D-N19	261	P
PROG19	262	P
-N-T19	263	P
DOU-20	264	P
D-N20	265	P
PROG20	266	P
-N-T20	267	P
DOU-21	268	P
D-N21	269	P
PROG21	270	P
-N-T21	271	P
DOU-22	272	P
D-N22	273	P
PROG22	274	P
-N-T22	275	P
DOU-23	276	P
D-N23	277	P
PROG23	278	P
-N-T23	279	P
DOU-24	280	P
D-N24	281	P
PROG24	282	P
-N-T24	283	P
DOU-25	284	P
D-N25	285	P
PROG25	286	P
-N-T25	287	P
DOU-26	288	P
D-N26	289	P
PROG26	290	P
-N-T26	291	P
DOU-27	292	P
D-N27	293	P
PROG27	294	P
-N-T27	295	P
DOU-28	296	P
D-N28	297	P
PROG28	298	P
-N-T28	299	P
DOU-29	300	P
D-N29	301	P
PROG29	302	P
-N-T29	303	P
DOU-30	304	P
D-N30	305	P
PROG30	306	P
-N-T30	307	P
DOU-31	308	P
D-N31	309	P
PROG31	310	P
-N-T31	311	P
DOU-32	312	P
D-N32	313	P
PROG32	314	P
-N-T32	315	P
DOU-33	316	P
D-N33	317	P
PROG33	318	P
-N-T33	319	P
DOU-34	320	P
D-N34	321	P
PROG34	322	P
-N-T34	323	P
DOU-35	324	P
D-N35	325	P
PROG35	326	P
-N-T35	327	P
DOU-36	328	P
D-N36	329	P
PROG36	330	P
-N-T36	331	P
DOU-37	332	P
D-N37	333	P
PROG37	334	P
-N-T37	335	P
DOU-38	336	P</

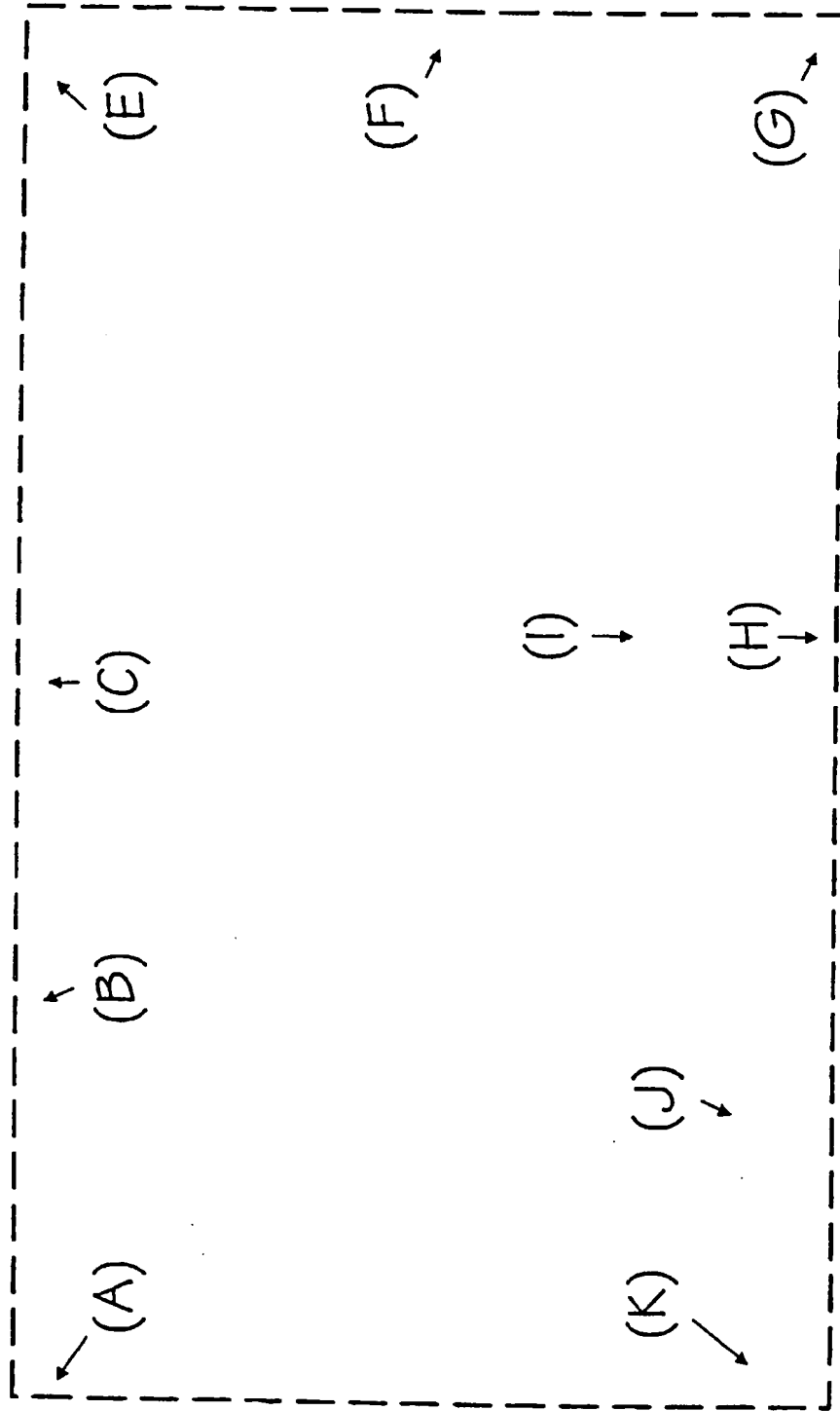


FIG. 63(D)

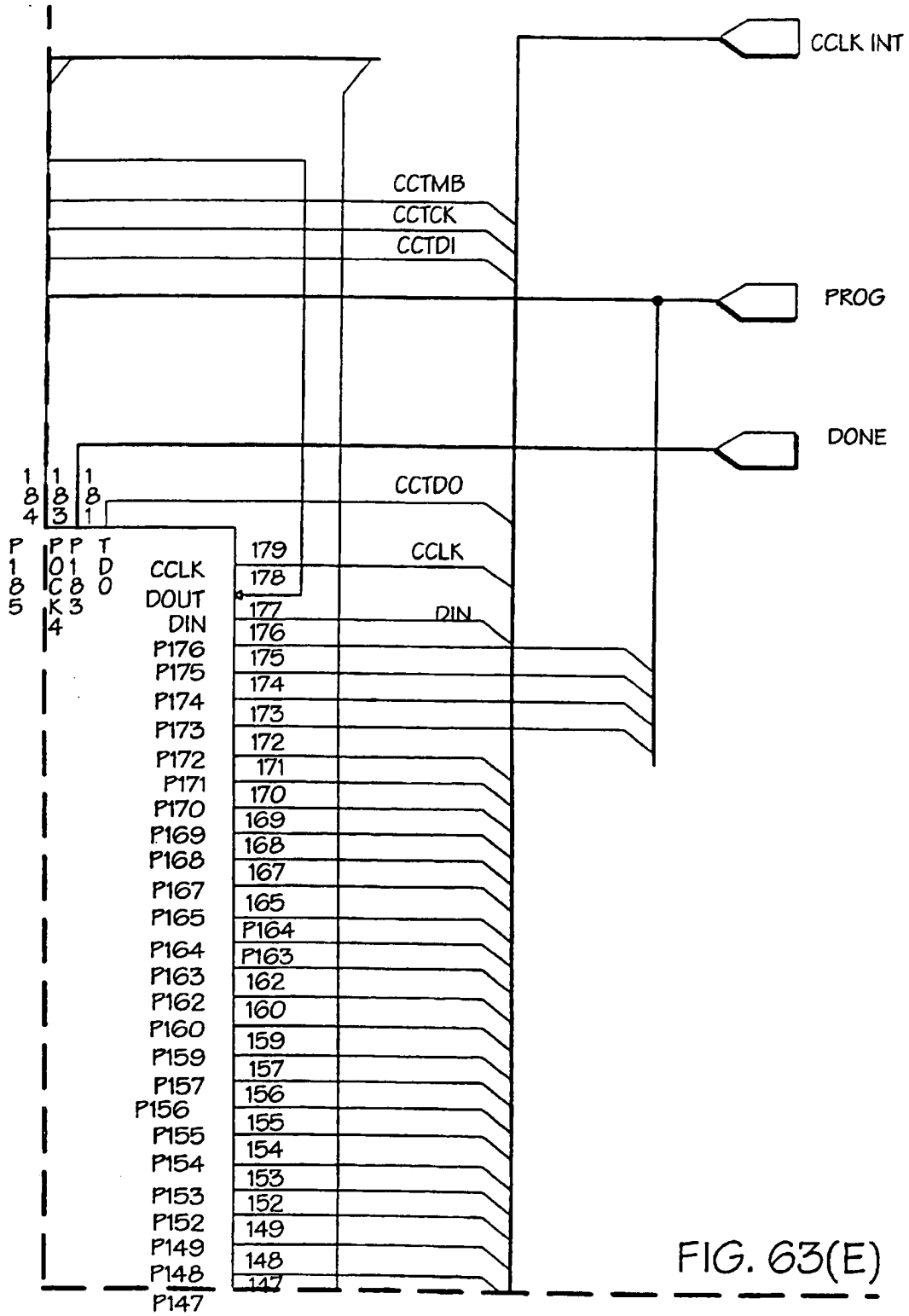


FIG. 63(E)

FIG. 63(F)

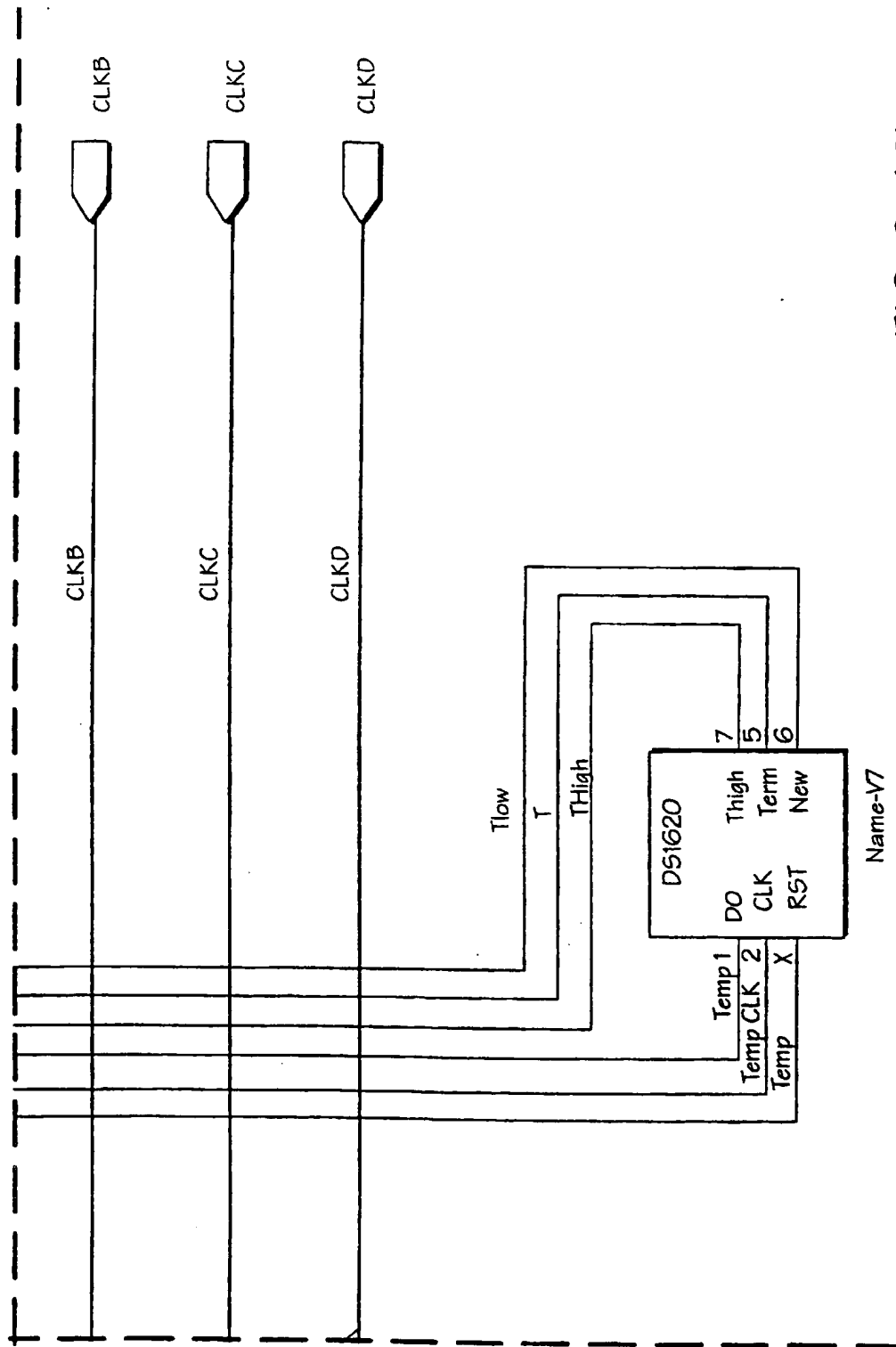


FIG. 63(G)

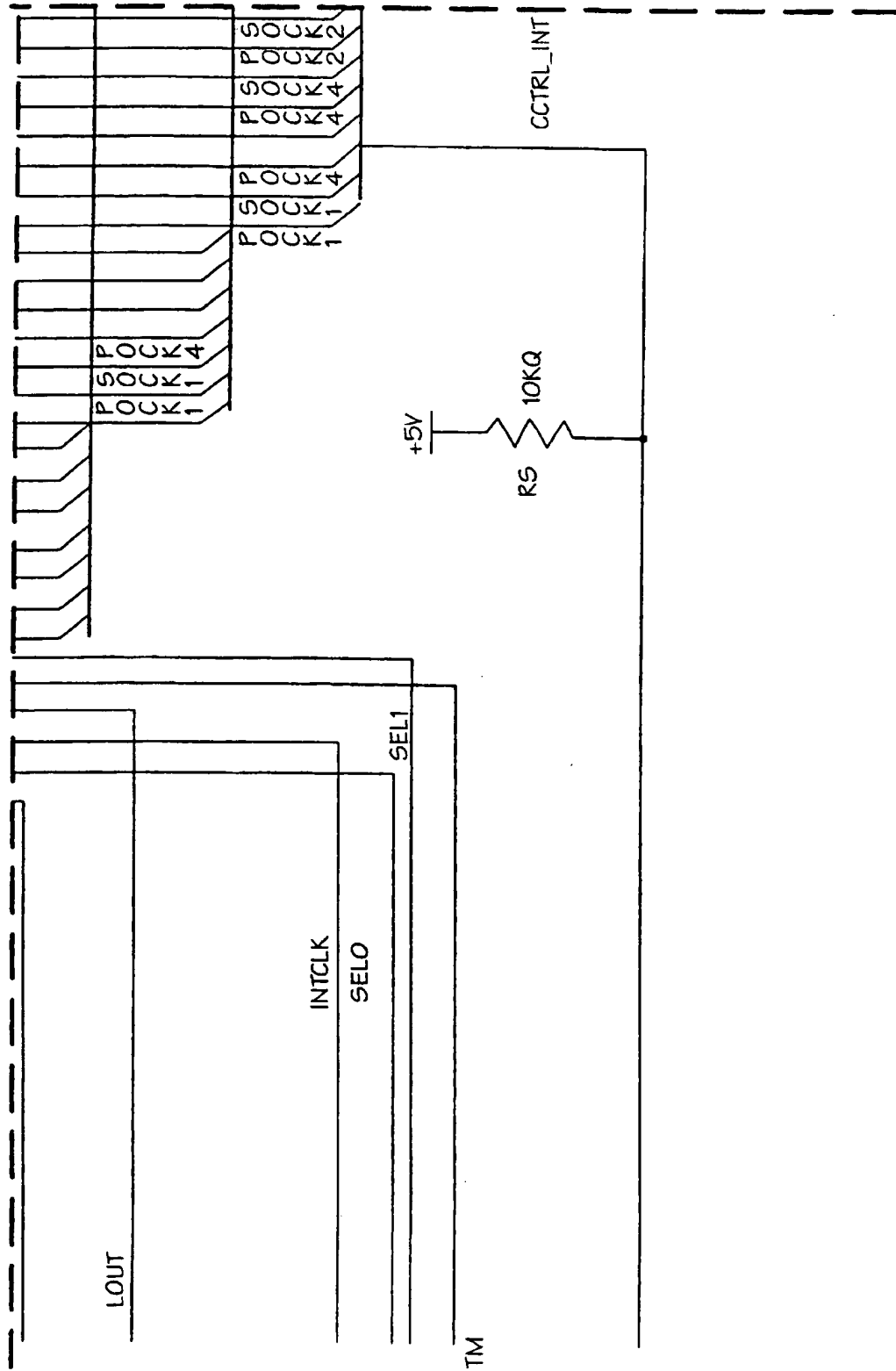


FIG. 63(H)

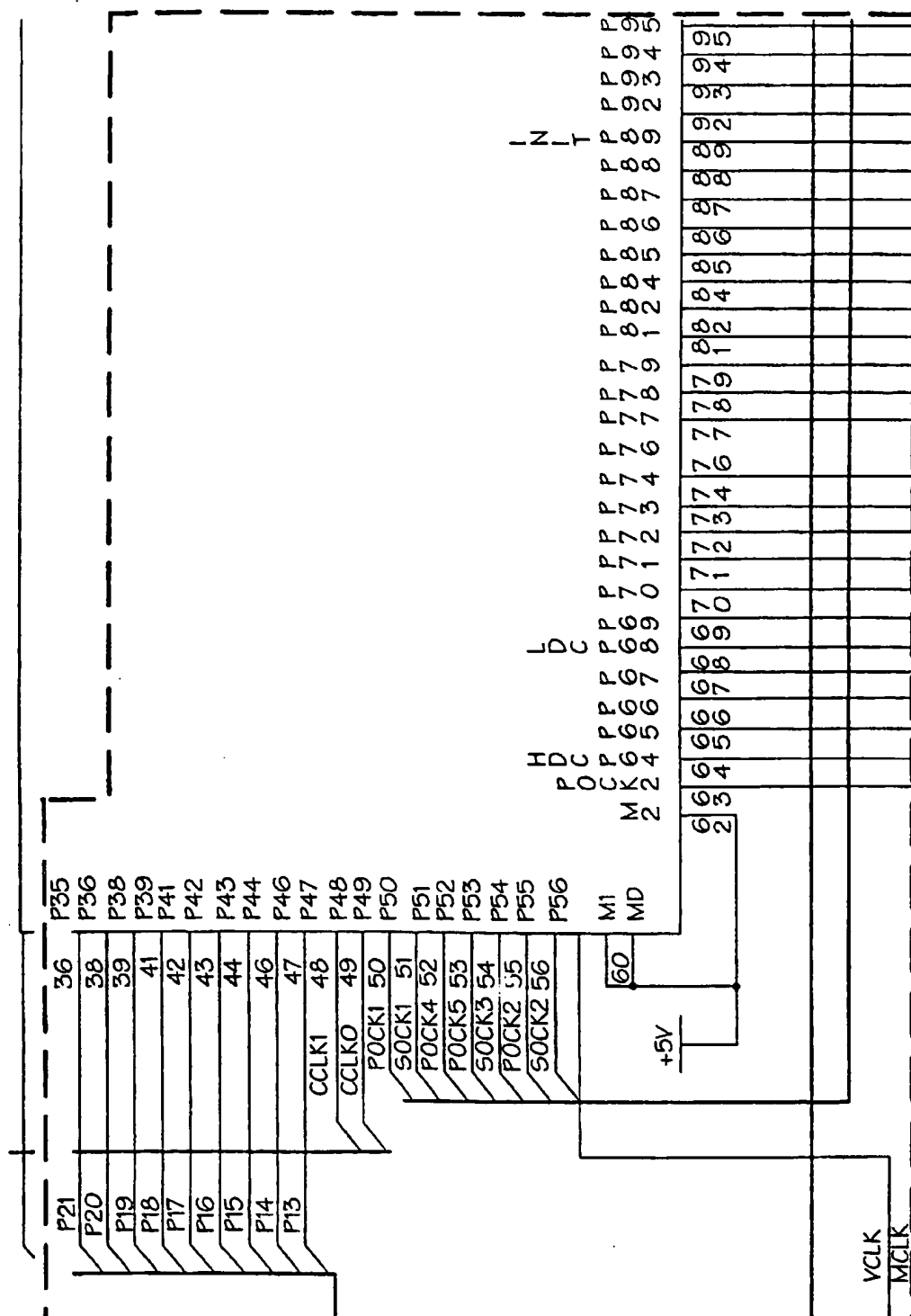


FIG. 63(I)

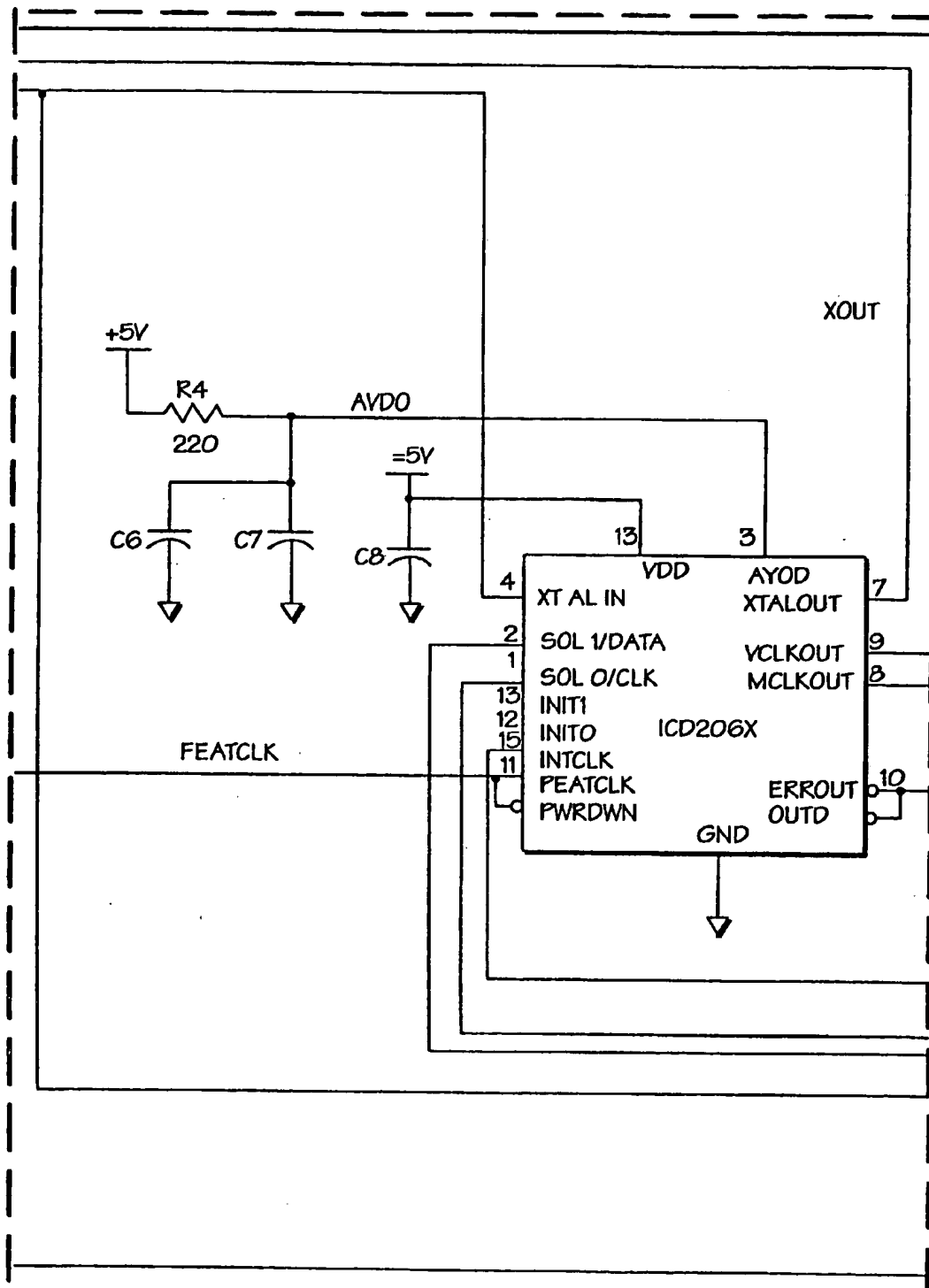


FIG. 63(J)

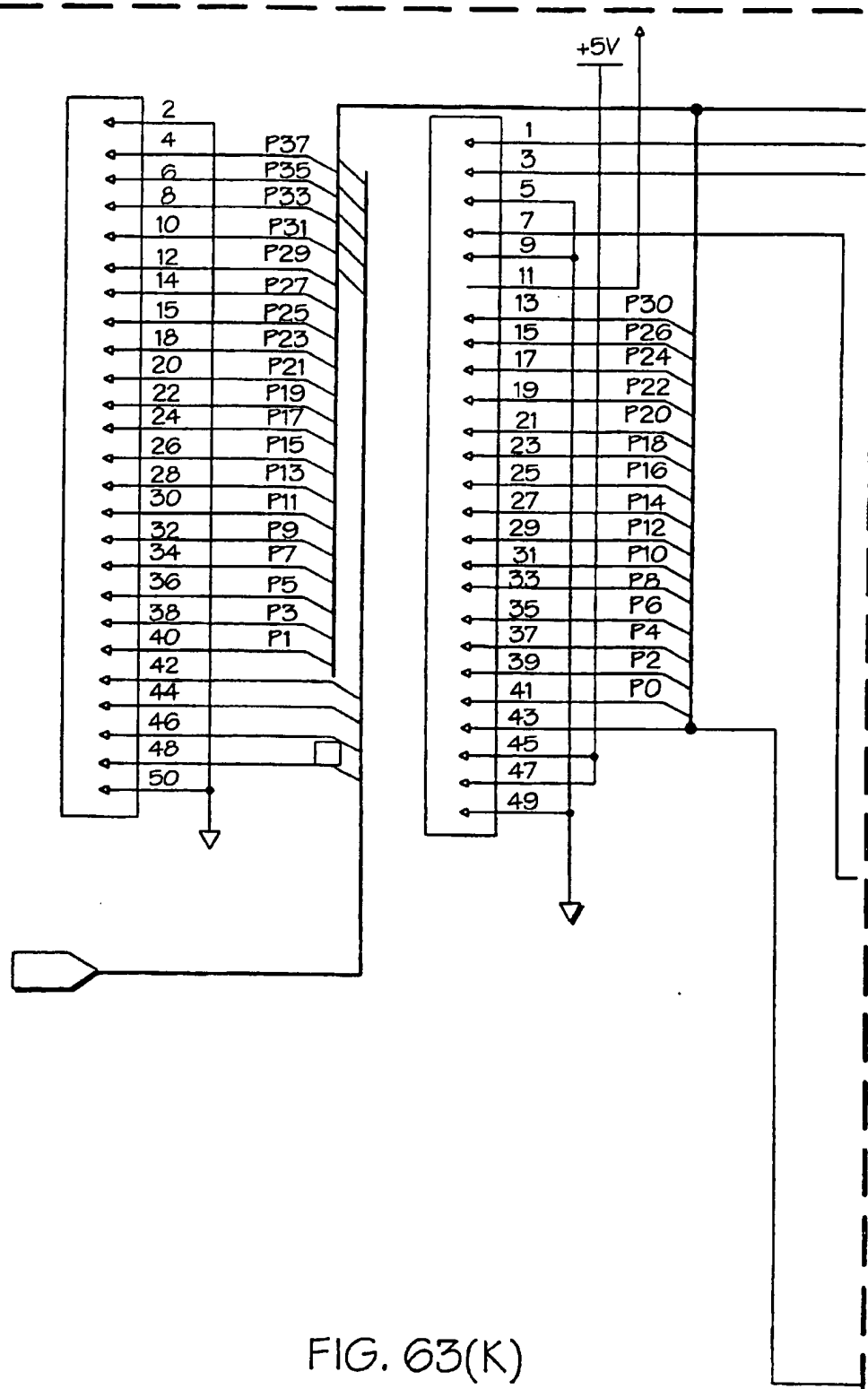


FIG. 63(K)

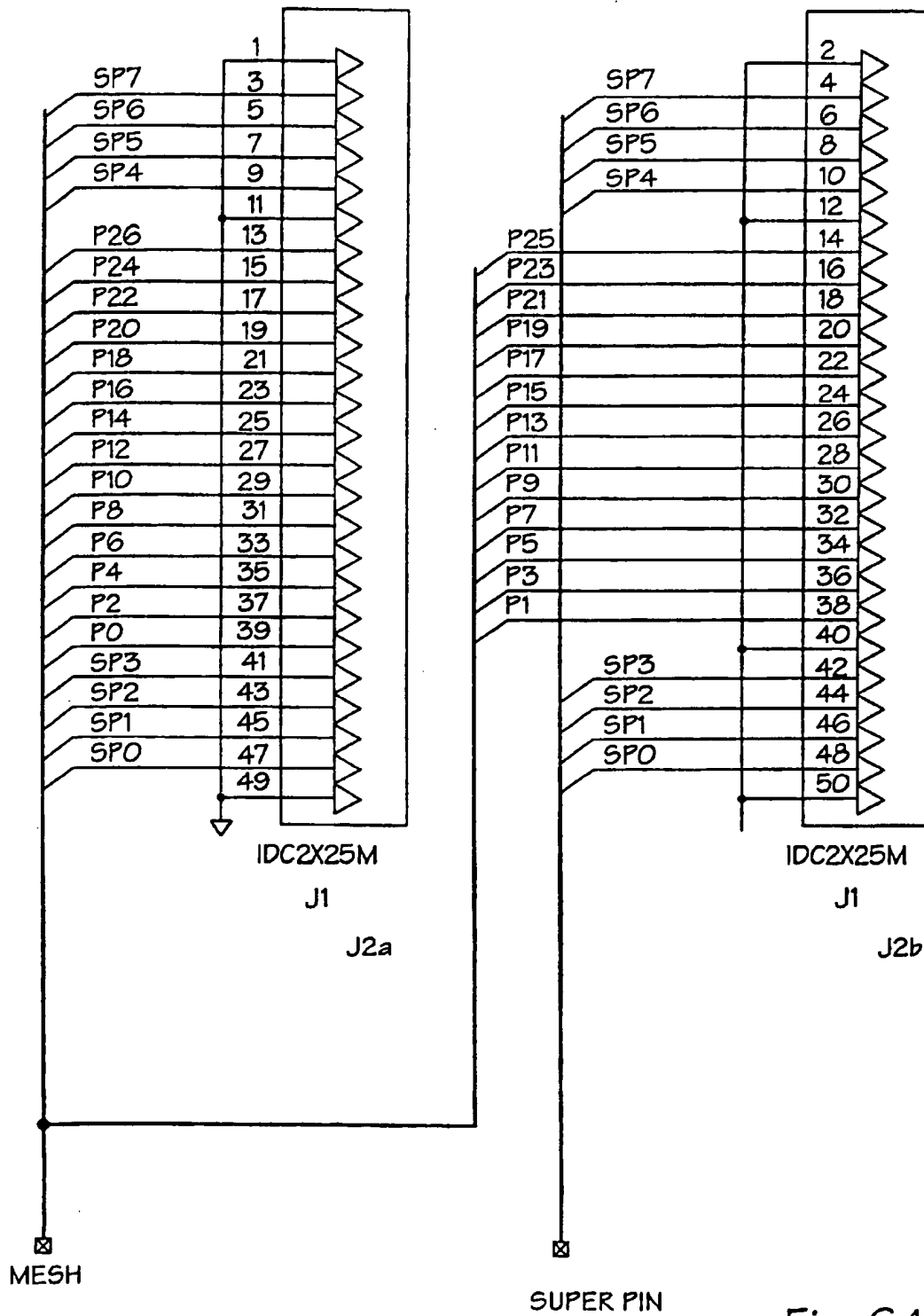


Fig. 64

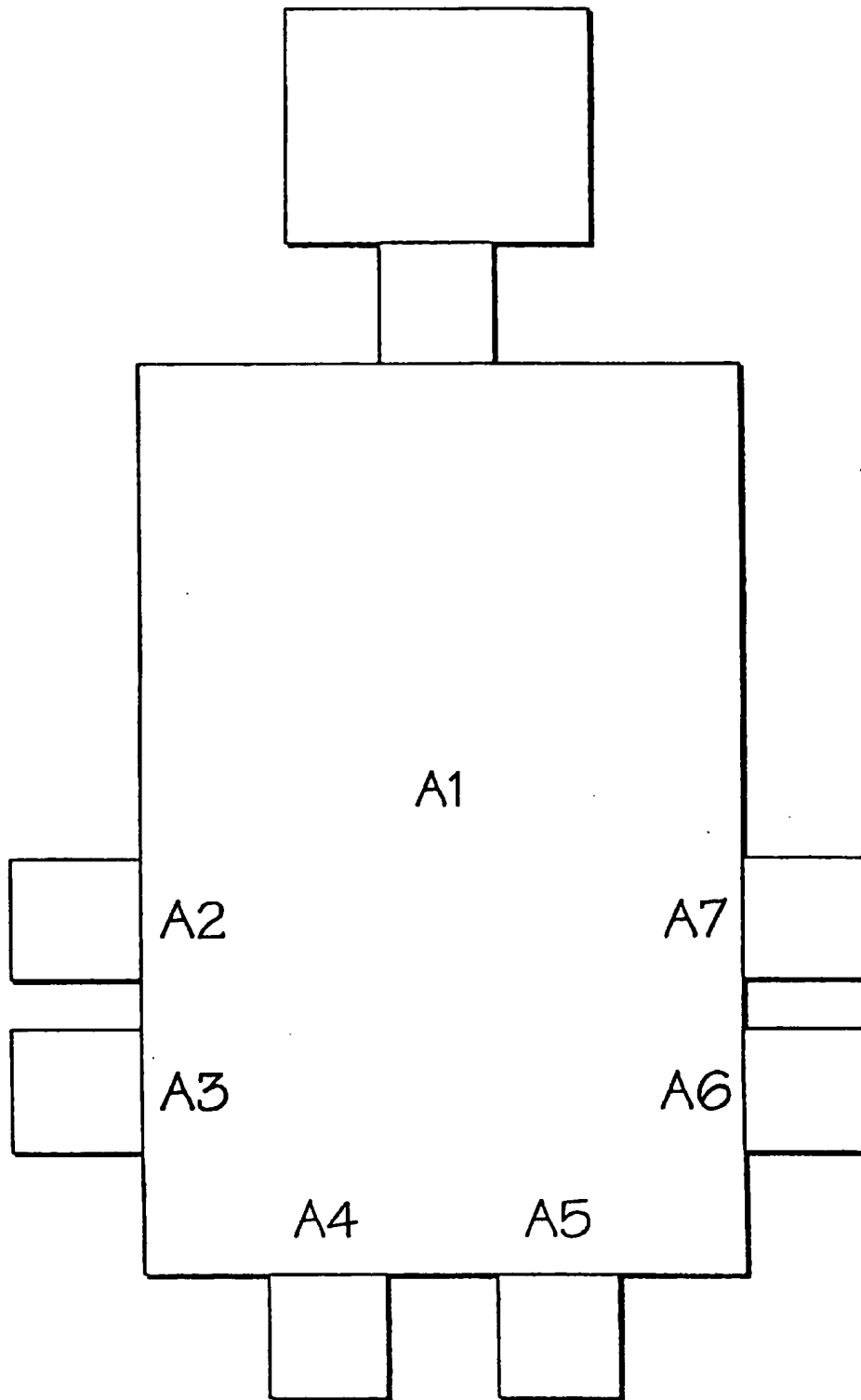


FIG. 65

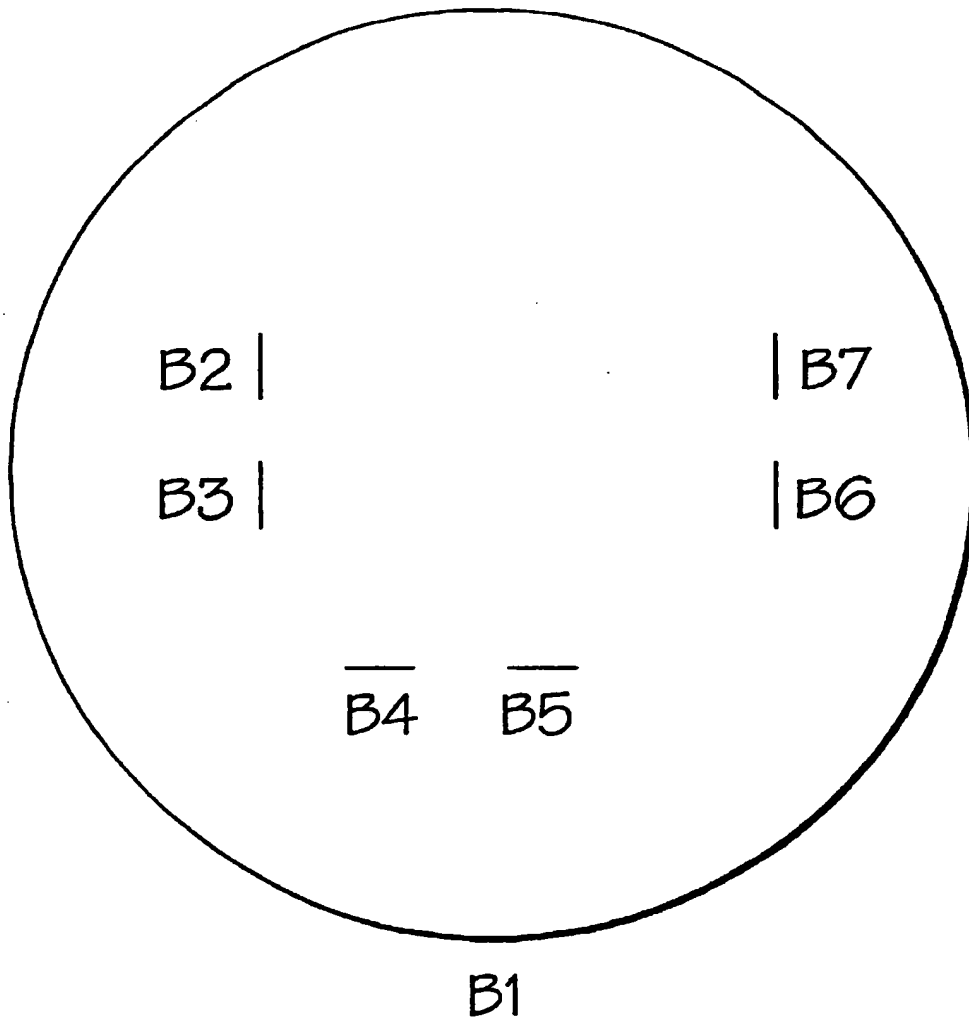


FIG. 66

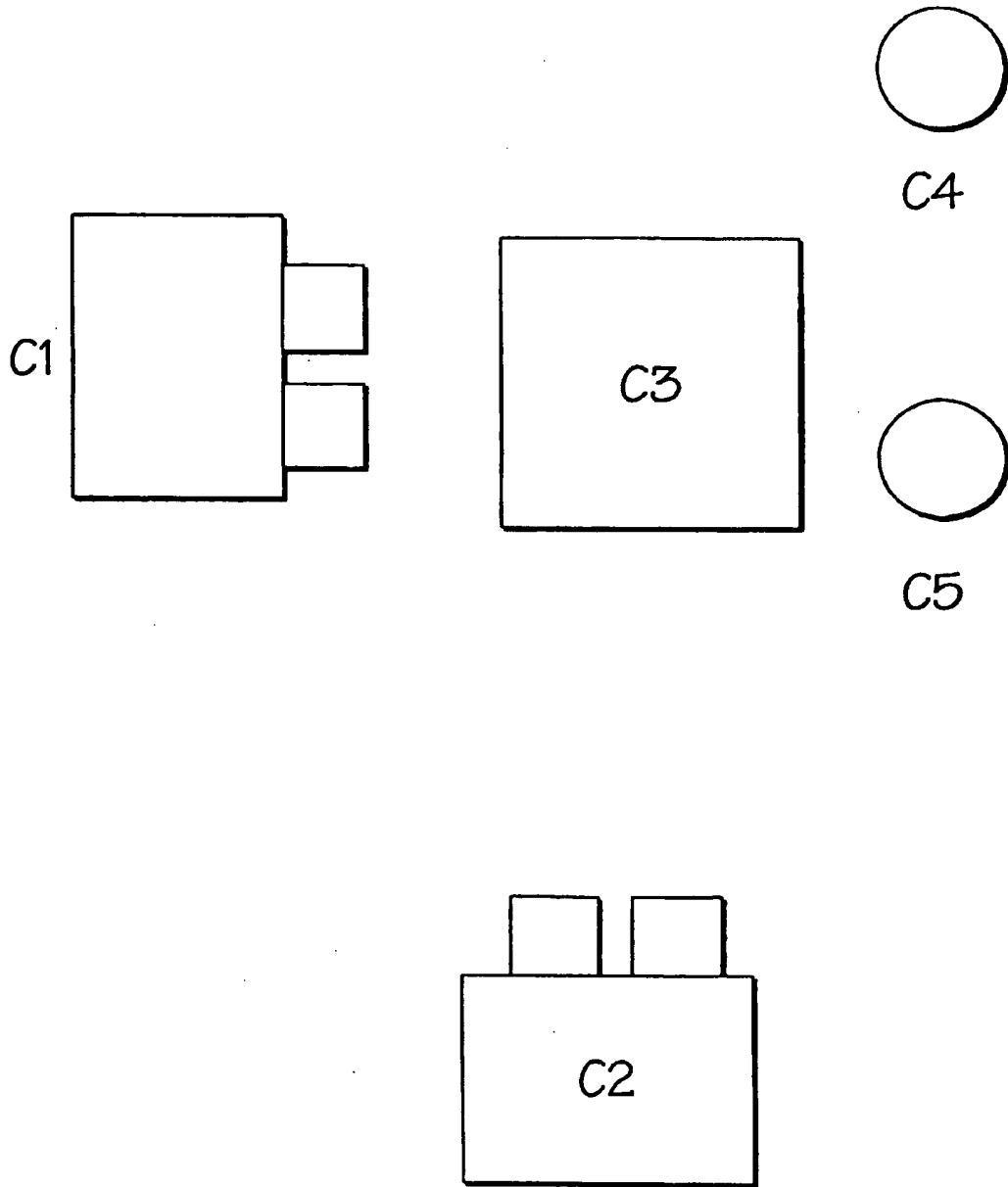


FIG. 67

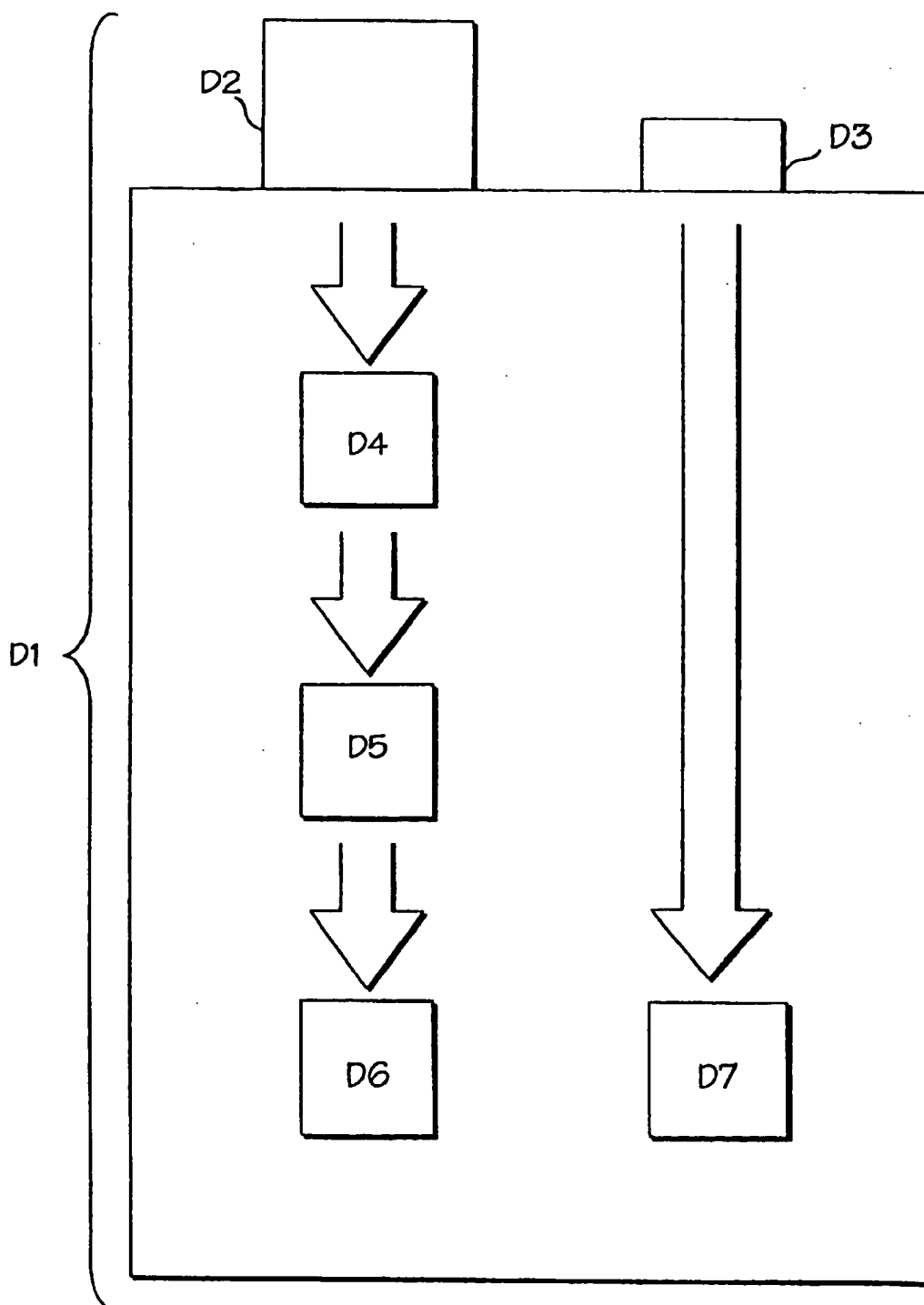


FIG. 68

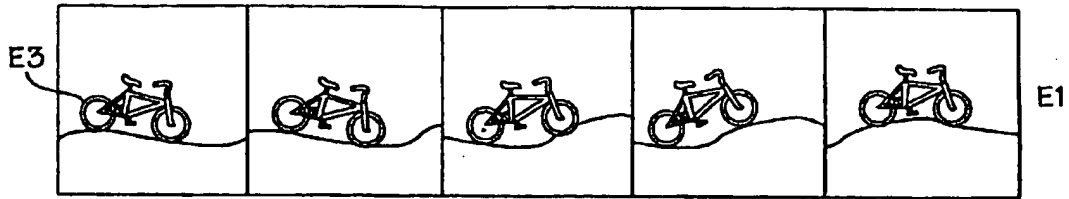


FIG. 69(A)

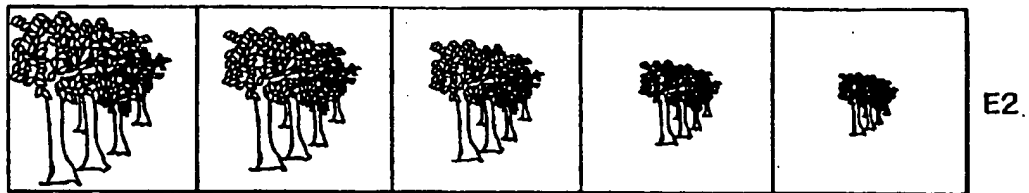


FIG. 69(B)

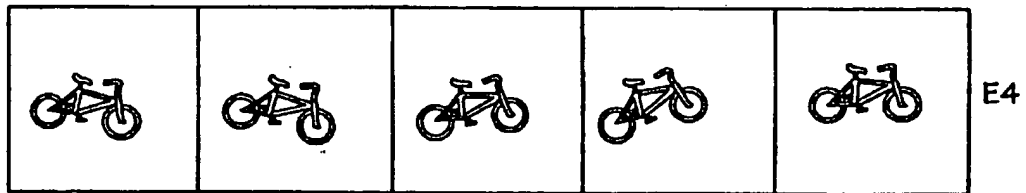


FIG. 69(C)

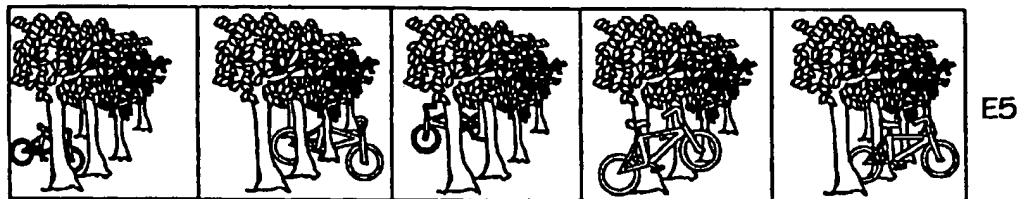


FIG. 69(D)